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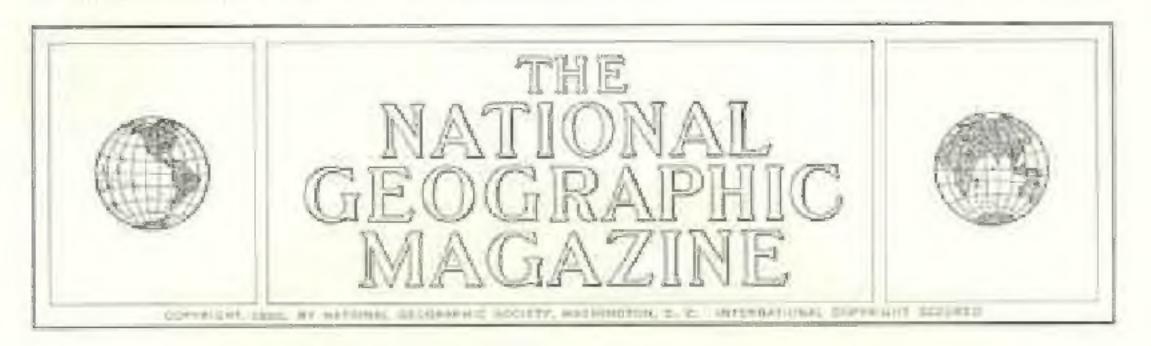
With 12 Illustrations and Map

QUENTIN KEYNES

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Windjamming Around New England

BY TOM HORGAN

With Illustrations by National Geographic Photographer Robert F. Sisson

ALONG about April, when spring's first timid smile drives New England small-boat sailors into a frenzy of calking, painting, and repairing, I can expect at least one of my friends to say, in effect:

Iftere you are, the owner of a fine little boat, one that could go anywhere. And yet every summer you take much the same cruise—South Shore, Cape Cod, the islands, North Shore, and Cape Ann. You cruise for three weeks and still you're never much more than 100 miles from home. Year after year you

I always listen tolerantly to these well-meaning friends. True, my 40-foot auxiliary ketch Namad could "go anywhere." Sometimes I don't even bother to point out that to "go anywhere" takes time and that three weeks is all the summer leave I can wangle from the Boston bureau of the Associated Press, where I carn the money to keep Namad shipshape.

And so lost summer our cruise was much the same as before, the latest in a series of many, interrupted only by World War II.

To me, New England waters offer everything the sailing vacationist could ask. Nomed's company has seen most of the world without finding a region of like area where so many pleasant and interesting places may be visited in so short a time.

Our course covered a route well worn by mariners since the days of the Norsemen (map, page 145). Everywhere were reminders of those who had sailed our way before, some godly and many otherwise. The coves and harbors we visited had been used by early explorers, patriots, pirates, and privateers:

slavers and whalers. East Indiamen, and other honest senfarers.

Nomad's company included four veterans of previous cruises. From Washington came two new hands: Robert F. Sisson, photographer, and Stuart E. Jones, both of NATIONAL GEOGRAPHIC'S staff.

A reputation as cook gained on previous voyages, plus his magic touch with Nomad's often reluctant coal-barning stove, gave Robert G. Allen command of the galley (page 155). He was relieved frequently by Col. William H. Speidel, on leave from the Army.

Arthur Mortenson was responsible for Namad's sailing gear, 24-horsepower auxiliary, and general well-being. I concentrated on navigation, minoful that Namad could not easily be replaced if she strayed into shoal water, and often there was plenty of that close at hand. All stood tricks at the wheel.

A Haven for Boston's Bohemians

Last of the supplies went aboard at Boston's T Wharf the night before we sailed into a misty August dawn. T Wharf, built about 1722, gets its name from its original shape, not from the famous Tea Party.

Until the new State pier was built farther down the harbor, T Wharf was Boston's principal landing place for fish. Old-timers remember when windjammers crowded the slips on either side. That was before engines placked canvas from the spars of fishing fleets.

Then busy sailmakers occupied the greater part of a long, rambling, three-storied building that runs the length of the wharf. As the sailmakers departed, artists, writers, and other folk converted the lofts into studio apartments,

finally 27 in number. I occupy one, and Bob Allen another. T Wharf is Bohemia's last damp, pungent beachbead in Boston. Visitors have called it "a bit of Greenwich Village—with salt water."

On the starboard hand leaving T was Long Wharf, supporting a big yellow shed at its end. On the shed's side is painted the intelligence that here Capt. Lorenzo D. Baker, a Cape Codder, in the schooner Telegraph, landed the first full cargo of bananas to reach the United States, back in 1871.

The Telegraph's bananas were received with suspicion. Captain Baker was forced to give away much of his cargo before Bostomans were convinced the fruit was not poisonous. Some time later, it was considered safe to give bananas to children. Such was the beginning

of an important industry.*

Visibility was poor as we chugged down the harbor, whistling vainly for a wind. Passing the Navy Yard annex, we swept past the bows of the "mothball fleet." Gun mounts of aircraft carriers and other warships were ghostly

under gray metallic "iglors."

In the haze we had a little difficulty picklng up Nixes Mate, marking the entrance to
the Narrows. Nixes Mate is a reminder of the
tale of a senfarer said to have been hanged
in 1636 for the murder of his skipper on
what then was an island where sheep grazed.
The mate said, as the none was slipped over
his head, that the island would wash away and
thus prove his innocence. And so it has,
Its location is marked only by a black-andwhite pyramid as an aid to navigators.

Although the mate's name is lost to history, those of other notorious pirates and mutineers who were executed on the island are not.

Thomas Hankins, black sheep of a respected family, ended his piratical career there in 1589; John Quelch, in 1704; and William Fly, in the same era.

Through Cape Cod Canal

The haze burned off as we threaded the Narrows, passing between crombling harbor forts, and inid our course for the Cape Cod Canal, 50 nautical miles away. The sea remained glassy, without a trace of wind. Allen whipped up breakfast, and we lolled comfortably in the cockpit, watching South Shore towns glide past (page 149). We vetoed calls, feeling the cruise would not be well under way until we reached the canal.

The original plan was to tie up for the night in a soug harbor of refuge dug into the bank near the canal's eastern entrance. But a green light glowed from the control station and the sun was still high; so we kept going. Sisson dropped into the dinghy, towed astern, and went to work with his cameras as we passed under the two beautiful highway bridges, lacy against the sky, and the railroad lift bridge. All have 135 feet clearance, easily accommodating Namad's 57-foot mainmast (page 160).

All along the canal's banks we saw anglers, perched precariously on rocks, custing for striped bass. Sometimes their large almost landed on Nomad's deck. The only catches we saw were several big skates, which the fish-

ermen discarded in disgust,

Gamy "stripers" seem to enjoy the swift, turbulent run of the tide through the canal, which at times attains four knots. This is further complicated by the fact that the mean rise and fall at the Cape Cod Bay, or eastern, and is 9.4 feet and only 4 feet at the Buzzards Bay, or western, entrance. It is well to consult the Coast and Geodetic Survey's Tide Tubles before tackling the canal.

Before the canal was dug, small boats often were hauled across the narrow neck of land by oxen (map, page 145). Earlier, the Indians partaged their cances by the same route.

Mysterious "Rites" at Mattapoisett

The tide turned against us as we cleared the canal and headed for Mattapoisett, on Buzzards Bay. As we felt our way in the blackness, steering for lights marking the old stone whaling piet, we noticed strange activity.

At the shore end of the pier several hundred people were whirling and gyrating, dipping and bowing, as if engaged in weird tribal rites.

Ploodlights Illuminated the scene.

As we drew closer, we heard a metallic refrain from amplifiers: "Toe over toe, heel over heel! The faster you dance the better you feel!"

Mattapoisett was having a Saturday night square dance.

Once Nomed was secured, we walked through the festive throng and into the village to pay our annual call on Bill and Lu Monahan, a young couple who operate a summer hotel. Among this quiet inn's decorations are relics from the bark Wanderer, last square-rigged whaleship to sail from New Bedford. The voyage was brief, however, for Wanderer was wrecked on Cuttybunk Island, about 15 miles from her home port.

Early next morning we struck out across Buzzards Bay for Woods Hole, the passage to Vineyard Sound between the mainland and Nonamesset of the Elizabeth Islands chain. Here we encountered our only fog in three

^{*} See "Boston Through Mulwest Eves," by Frederick Simpleh, Narrowski Garconspine Managers, July, 1936.



Daniel, Stout Veteran of Many a Whale Hunt, New Graces a Nantucket Garden

Daviel I. Tenny still seems to be breasting a gale just as he did in the days when he adorned the prow of his namesake ship. When the vessel was converted to a barge, Bostonians bought her figurehead for their summer home. While being ferried to Nantucket, it was swept overheard in a storm. Lassond, it was towed the last few miles to post. Meanwhile, the Towny sunk on her first voyage without her figurehead.

weeks. It rolled in thick and sticky, and the wind fell to a whisper. While groping about, we had time to consider what the United States Coast Pilot has to say about the Hole.

"Woods Hole," it cautioned, "is a narrow passage leading between numerous ledges and shoals... It is well marked... but the tidal currents are so strong [up to 4 knots] that the passage is dangerous without some local knowledge. The buoys in the narrowest part... are frequently towed under by the currents. A stranger should not attempt to pass through except near stack water."

Although we did not consider ourselves strangers, we were more comfortable when the fog lifted and we scooted through with much of the four knots hurrying us toward Edgar-

town, on Martha's Vineyard Island.

A Rendezvous of Windjammers

There, and it was the reason we were In a hurry, we found dozens of flag-hedecked craft of the New York Yacht Club on annual cruise.

Sailing partisans are inclined to look through the wrong end of their spyglasses at powerboaters, and call their craft "stinkpots," or worse. The N. Y. Y. C. fleet was reassuring. More than half of the 60-odd yachts in Edgartown Harbor wore canvas. Among them were John N. Matthews's 146-foot Manaman, the largest yawl in the world, and Botero, the magnificent new 73-foot yawl owned by John Nicholas Brown, former Assistant Secretary of the Navy for Air.

We came up the barbor along a shore lined with the proud homes of famous whaling cap-tains. Atop some were widows' walks, from which watch was kept for homebound vessels. The variety in doorways is no accident; the old captains wanted something distinctive.

English settlers in the early 1600's called it Great Harbor, but much earlier it was known to others, probably by other names. Island historians claim the Norseman Karlseini Thor-fina came by in 1000; Giovanni da Verazzano, salling in the service of France, in 1524, and later Samuel de Champlain and the Dutch navigators Hendrick Christiansen and Adriaen Block.

Many historians believe that it was this island to which Bartholomew Gosnold gave the name Martha's Vineyard in 1602.

Massachusetts did not establish authority over the Vineyard until 1691, after New York had abandoned claims.

It is pleasant to reflect that the Vineyard was an island of unity between the early settlers and the Indians, who later formed an important part of whaling crews.

Next morning we went out to the harbor en-

trance to watch the start of the N. Y. Y. C. race back to Mattapoisett. For a while we sailed in close company with Fiddlers' Green, a rakish little schooner which her owner. Dr. Edmund B. Kelly of Baltimore, took on an adventurous South Pacific cruise just before the war.

The racing craft got away, light airs ballooning their gay nylon spinnakers. We returned to resume exploration of Edgartown's shady streets, its many old dwellings neatly fenced and flanked with bright flowers. Flowers always seem more vividly tinted near salt water.

We drove over to Gay Head, on the western end of the island, where the cliffs wear varied pastel shades of red, yellow, and purple (page 163). There, too, were a few of the once numerous Gay Head Indians, selling beadwork and other trinkets.

We would have preferred to visit Menensha, four miles from Gay Head, by water; but since long-legged Namad draws nearly seven feet and the chart guaranteed only six, we drove to that picture-postcard fishing village.

Fishing boats snuggled against gangling whatves, at the head of which was the general store. Before the 1938 burricane * carried away the original structure, the store had a sign: "We sell most anything but rura."

Small-craft warnings were flying as we sailed for Nantucket. Warnings of one kind or another were displayed almost constantly during the three weeks we were out. The Weather Bureau apparently had an eye on a hurricane then bowling in the Tropics.

Brisk Wind Speeds Namual to Nantucket

As it turned out, the 25-mile run to Nantucket was the only time it was found advisable to douse Nanad's mainsail. Under jib and mizzen, she skipped over a dancing sea, driven by a brisk northeasterly abeam, curtsied to the Cross Rip Lightship, and soon was beiling up the narrow pule-long channel to the barbor.

It was a route used by countless whalers, but when they came home heavily laden they were ferried over the shallows by "camels," mobile floating drydocks similar to those used in the Pacific war.

We tied up at the Island Service Wharf, using bollards that had held the dock lines of yanished blubber hunters. While fuel, water, and ice came aboard, Colonel Speidel disappeared, toured Easy Street's shops, and returned with lobsters fresh from the sea, and green corn from island farms.

When possible, we took advantage of local

* See "Geography of a Hurricane," by F. Berraus, Colton, National, Groundern & Magazine, April, 1939.



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Drawn to Theorem P. Timesum

Named's Vacation Course Touched Harbors and Coves Where America's Earliest Explorers Found Shelter

From Boston the author and companions sailed southward and through the Cape Cod Canal to Mattapoisett. Next atops were Martha's Vineyard and Nantucket. Past the Elizabeth Islands and Block Island, the route led to historic Stonington and Mystic, Connecticut. Returning through the canal, Named sailed to Provincetown, on the tip of the Cape, then across Massachusetts Bay to Cape Ann and back to Boston.

products, and were rewarded in quality and pocketbook. There is no more fruitful field for the sea-food branch of gastronomic research than New England. Lobster and corn we always boiled in sea water. No additional seasoning is preded.

Other menu items were scallops, quahogs, soft-shelled clams, swordfish, and tuna.

Nantucket's whating museum, housed in an old sperm-candle factory, contains a fascinating collection. Among its documents is the log of Capt. Mayhew Folger, who discovered the last of the Bounty mutineers on Pitcairn

Island. Captain Folger devoted scant space to a subject that later inspired volumes.

America's Pioneer Woman Astronomer

We went around to Maria Mitchell's 18th-century home to squint through the brass telescope with which she discovered a comet in 1847 and won international renown.

Miss Mitchell, pioneer woman astronomer in America, made a computer of the Tables of Venus for the Nautical Almanac and instructed Nantucket mariners in celestial navigation. She also found time to rate ships



Grandmother's Playthings Now Museum Pieces

Hunter House in Newport, Rhode Island, displays this delibouse of the Gay Ninetles. Faithfully reproduced in the old-tashioned kitchen are washeland, coal stove oil lamps and cooling atensils. Other cabinets contain dising rooms, drawing rooms, and bedrooms. Built in 1756, Hunter House served as the Revolutionary War headquarters of French Admiral Charles Louis d'Arsac, Chevalier de Ternay (page 165).

chronometers. She was a member of one of the many Quaker families who early settled on the island.

Nantucket boasts many venerable and stately mansions, built by whale oil and bone. Oldest dwelling is the Jethro Coffin House, built in 1686, a modest salt-box structure of small leaded casements and band-wrought hinges. Oldest church is the Quaker Meeting House; oldest manufactory, a windmill built in 1746 to grind corn (page 157).*

We called on Charles F. Sayle, bearded seaman and maker of ship models, in his cluttered workshop (page 168). The sea summoned Sayle from his native Ohio at 14. He has "swallowed the anchor," but ships are still his business—faithful replicas of vessels that once sailed the Seven Seas.

Besides building models, he restores old and damaged ones for museums and collectors.

With minute jewelers' tools, incongruous
in the hunds of a man
more than six feet tall.
Sayle was sheathing the
hull of a windjammer
model with tiny strips
of copper. Each copper plate was made by
Sayle, as was each of
the 1,400 microscopic
copper pails which he
drove with a Lilliputian
hummer.

Such a model, Sayle estimated, would require about 1,000 hours of meticulous labor. For this product of craftsmanship he expected to receive about \$1,500.

Duniel Has Retired from the Sea-

We drove over to Gilbert Verney's rambling summer home on the western end of the island to inspect his figureheads. Histories of some of the ships they decorated are vague, but one at least

must have been tragic, for the figurehead was washed ashore.

On the lawn in front of the summer cottage of Hamilton Heard we saw another interesting figurehead, known as "Daniel." It is carved in the likeness of a bearded, frock-coated gentleman of the old school, possibly a skipper or shipowner. One wooden thumb is booked under an oaken lapel. With left foot thrust forward, the figure appears to be striding into the teeth of a wind. A red bow tie makes a splash of color at the throat (page 143).

* See "Nantucket—Little Gray Lady," by William H. Nichulas, Natuovas, Geographic Magazine, April, 1944. For many years Daniel has been a member of the Adams-Heard family, who rescued it when the ship whose prow it adorned was converted into a barge. Members of its adopted family left Boston in a powerboat with Daniel as a cumbersome cargo. Just off Nantucket a storm swept it overhoard. After some difficult maneuvering, the figurehead was bassoed and towed the last few miles to its new home.

When I asked the reason for the figurehend's name, I was told it was of one Daniel I. Tenny and once adorned a ship named for

him.

Daniel now spends most of its time in the Heard gamee. Every spring it is given a fresh

coat of paint and puxed outdoors.

We sailed across Nantucket Sound to Hyannis, the bustling metropolis of Cape Cod. Hate hid the Bishop and Clerks Lighthouse, marking the shoal of the same name, until we were close by.

A narrow channel winds through Lewis Bay to Hyannis. On an earlier visit we grounded in mid-channel. The fisherman who hauled us off assured us it was no disgrace. The sand bars, he explained, often shift faster than ten-

ders can relocate the buoys.

At near-by Centerville we visited the Jack McGillicuddys of Boston, whose summer home is one of the finest examples of restoration on the Cape. Records indicate it was built in 1720, or earlier, by a member of the Lewis family, which settled on the Cape in 1639.

Among the house's features are Dutch ovens built into fiving-room and kitchen areplaces. Clamshells were mixed in the cement, but our hosts were unable to explain their masonry value beyond their obvious availability.

Hyannis has a permanent population of about 6,000, but in summer it more than doubles. Part of Barnstable Town, it serves as a shopping center for a wide area. New York and Boston shops have summer branches there. It is a market place for Cape products from farm, sea, and workshop. Fragrant bay-berry candles are a specialty.*

One of the oldest windmills on the Cape stood just across Lewis Bay, in adjacent Yarmouth Town, until taken out to Dearborn,

Michigan, by the late Henry Ford.

Chowder Fortifies Against Chill

Colonel Speidel, one of the few ship's cooks of his rank, brewed a hig kettle of quahog chowder to fortify us against a chilly rain. The rapidity with which it disappeared attested to its quality. Enough quahogs—clams to non-New Englanders—for a sizable chowder can be gathered in a few minutes by wading at low tide and prospecting with the toes.

Hyannis to Woods Hole, a village in the town of Falmouth, was only a brief 25-mile run, but it called for precise navigation between the mainland and straggling L'Houtmedieu Shoul. How the shoul got this spiritual name we were unable to learn, but we appreciated the clear weather as we picked up the buoys marking it.

Woods Hole, Center of Marine Research

Woods Hole is an important center of scientific research (pages 158 and 160). Here is located the Marine Biological Laboratory, which uses marine material in medical research, and to which scientists come from many parts of the world to work out experiments.

In large tanks at the United States Fish and Wildlife Service aquarium the private lives of shellfish and finny specimens are bared

to the onlooker (page 153).

Close by is the Woods Hole Oceanographic Institution, which sends out laboratory ships to probe the secrets of the deep. A recent project was exploration of a submerged mountain range stretching from Iceland almost to the Antarctic. Co-sponsors were the National Geographic Society and Columbia University.†

Leaving Woods Hole after taking on supplies, we whisked through the Hole on a fair tide, safely past rocks on which a cabin cruiser had been wrecked a few days earlier. A spanking wind carried us briskly down Buzzards Bay, past New Bedford and Fairhaven, Nomad's birthplace, where she was launched by Major Casey. Major is the noted boxt-builder's unusual given name.

Named made such good time that we were off Newport, Rhode Island, our intended destination, by noon; so we kept her braded westward for Stonington and Mystic, Connecticut, leaving Newport for the return trip.

It was a fortunate decision, even if it meant the longest leg of the cruise—about 70 miles. We arrived as those communities were celebrating Stonington Town's tercentenary with parades and other festivities.

As we came in between Fishers Island and the mainland, Fishers Island Sound was white with sail of scores of small racing craft finishing a regulta in a dying wind.

Fishers Island is New York territory, but on a chart it appears to have gone adrift from

See "Cape Cod People and Places," by Wanda Burnett, National Geographic Magazine, June, 1946.

"Now Discoveries on the Mid Atlantic Ridge," November, 1949, and "Exploring the Mid-Atlantic Ridge," Ridge, September, 1948, both by Maurice Ewing.

the parent State and grounded on the Connecticut shore.

We put in at the island's West Harbor, on a previous cruise to the New York World's Fair, and found rabbits and game birds so tame they were almost underfoot. The only shooting permitted on the island was target practice at the Army post, and wildlife seemed to know it.

Stonington Harbor is one of the best protected on the coast, Breakwaters staggered off opposite shores bar heavy seas, making it

an unusually snug haven.

In the heyday of sail, near-by Mystic launched everything from clipper ships to

gunboats.

Stonington now has one of the largest and best-equipped fishing fleets on the coast, largely manned by descendants of Portuguese who arrived on whaleships.

One of our first calls was at the studio of the portrait and marine painter, Griffith Baily Coale, one of the Navy's combat artists

during World War II.

The Coale home, a big white structure nudging the main street, was built in 1755 by Capt. Amos Sheffield, a whaling skipper. Without outraging the original architecture, the artist has added a lofty studio to accommodate large canvases.

So strong is Coale's feeling for Navy tradition that, as we climbed a flight of stairs hading from studio to exit, he clupped a boatswain's whistle to his lips and expertly piped

us "over the side."

"I do that for all my visitors," he said with

a grin. "Glad to have you aboard!"

Coale is only one of many artists attracted to Stonlogton. James Abbott McNeill Whist-ler once resided here.

Williams Haynes, writer and president of the tercentenary celebration committee, drove us out to his home, built in 1750 by Paul Wheeler, veteran of the Indian wars.

Last of the Old Whilers

Mystic, three miles away, is part of the sprawling town of Stonington. There we found the Marine Historical Association busily reconstructing the venerable scaport and using as a centerpiece the whaleship Charles W. Morgan, more than a century old and the last of her kind (page 150).

The Morgan reputedly logged more miles and took more whales than any other ship of her time, bringing home rargoes worth more

than \$2,000,000.

The whaleship no longer is scaworthy. Her hull, graceful even in decay, has been bedded in sand and stone beside a wharf. Into an oll

cask at the gangway visitors drop contributions to help save the old blubber bunter from

irrevocable disrepair.

A more virile exhibit is the old square-rigger Jacoph Courad, which rises and falls with the tide beside the Mystic bulkhead, and appears sound and seaworthy. Having heard how the ship acquired her figurehead, I was particularly interested in examining the beautifully carved likeness of Conrad, the Polish-born author of Lord Jim and other sea stories (page 153).*

As the Georg Stage, this 150-foot frigate was launched in Copenhagen in 1882. For 52 years she sailed Baltic and North Sea waters as a Danish merchant marine training vessel. Alan J. Villiers, lecturer and author of many salty tales, bought the ship in 1934 and renamed her Joseph Courad.

Sailing his new property from Copenhagen to England to fit out for a two-year cruise. Villiers was accompanied by Bruce Rogers. American book designer. Rogers painted the new name over the transom, and offered to carve a figurehead and have it ready when the Control teached New York. Villiers accepted.

Hot Grog Served as Restorative

Mrs. Conrad, then living in England, supplied Rogers with portraits from which to work out his design. Rogers then modeled a clay head; from this he made a cast which he took to New York. There, in a hotel room, he labored at his wood carving from October to December, when the Courad arrived at a Brooklyn shipyard.

For several days of zero cold, Rogers worked on a plank under the bowsprit, bolt-

ing the figurehead into place.

The dedication ceremony, held on an equally bitter day, was memorable. Despite the cold, about a hundred people listened to speeches by various dignitaries and Captain Villiers himself. Then all hands went below to thaw themselves out with hot grog.

The Conrad now wears a metal replica of Rogers's figurehead. The original is in the Seamen's Church Institute, New York City,

The windjummer served as a Maritime Service training ship during World War II. Then, by act of Congress, she was given to the Mystic museum and again is to a degree a school ship. I nder the Marine Historical Association's program for youth education, she has become a floating classroom where

See "Geography and Some Explorers," by Joseph Contact, Narminal Geographic Marking, March, 1924.

† See "North About." by Alan J. Villiers, National, Geographic Magazine, February, 1937.

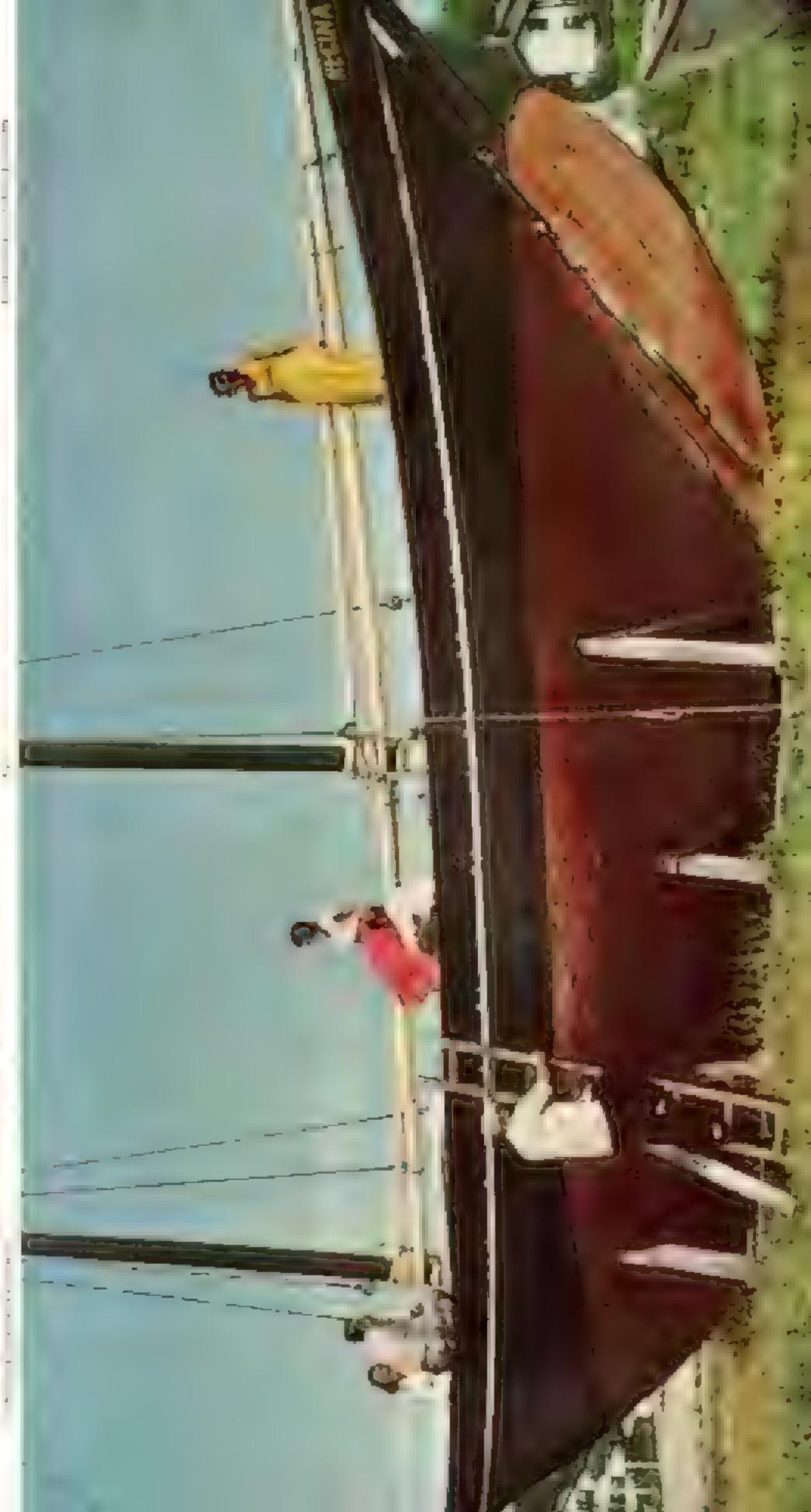


Nomad, Bound for a Blue-water Vacation, Rides a Quartering Breeze Across Cape Cod Buy



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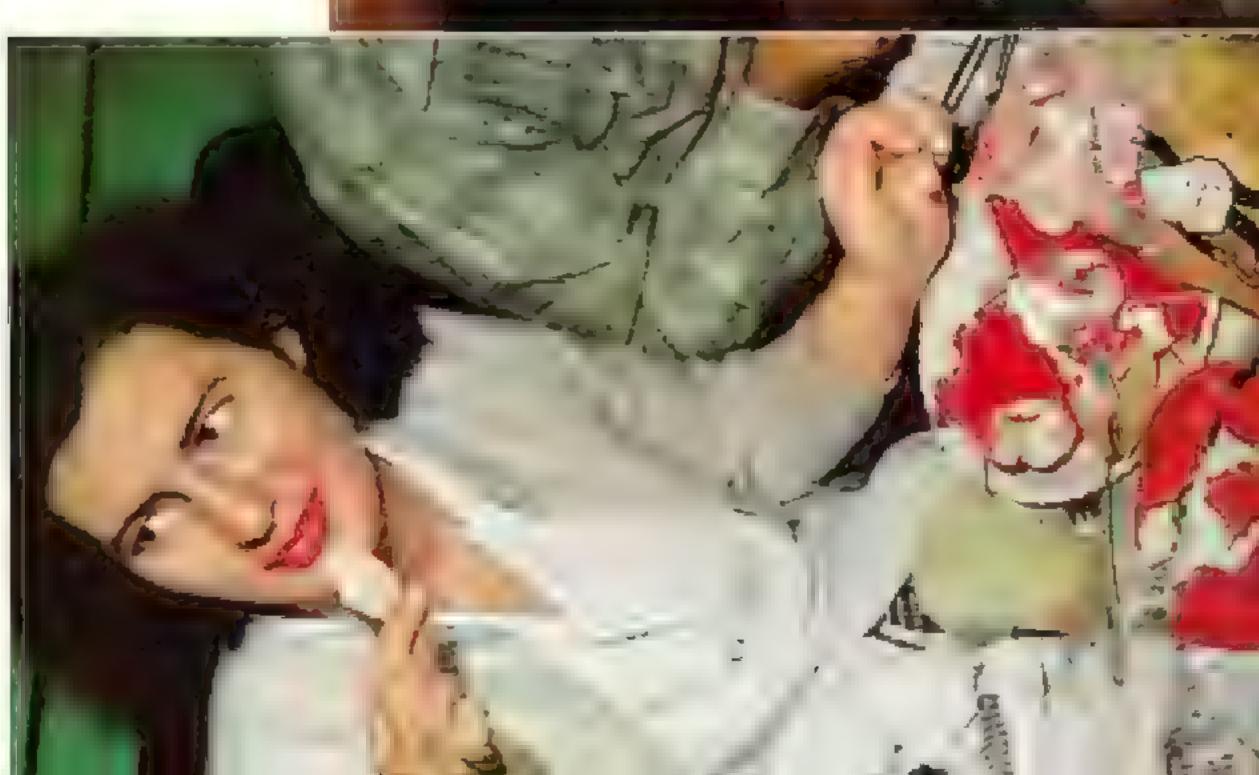


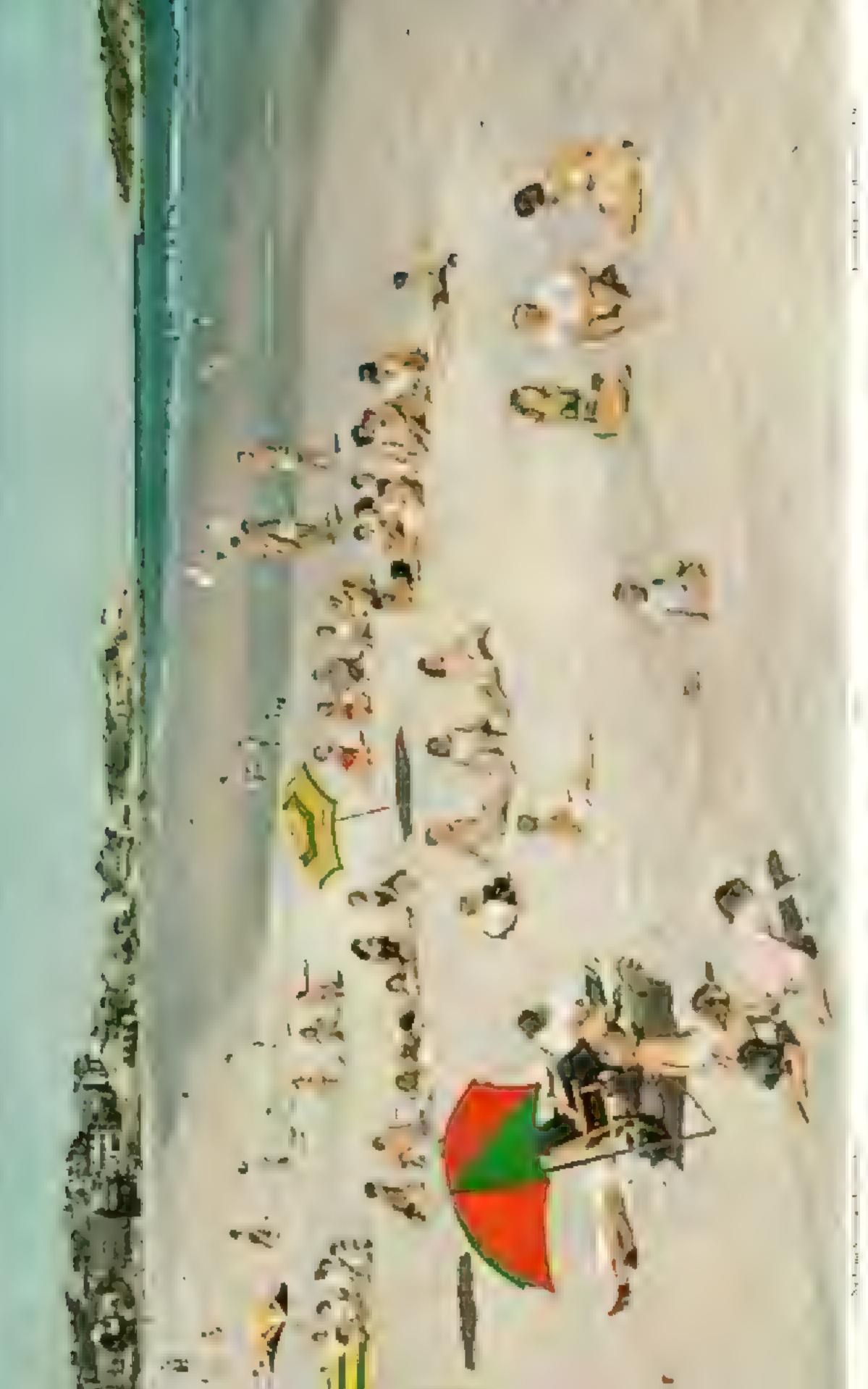


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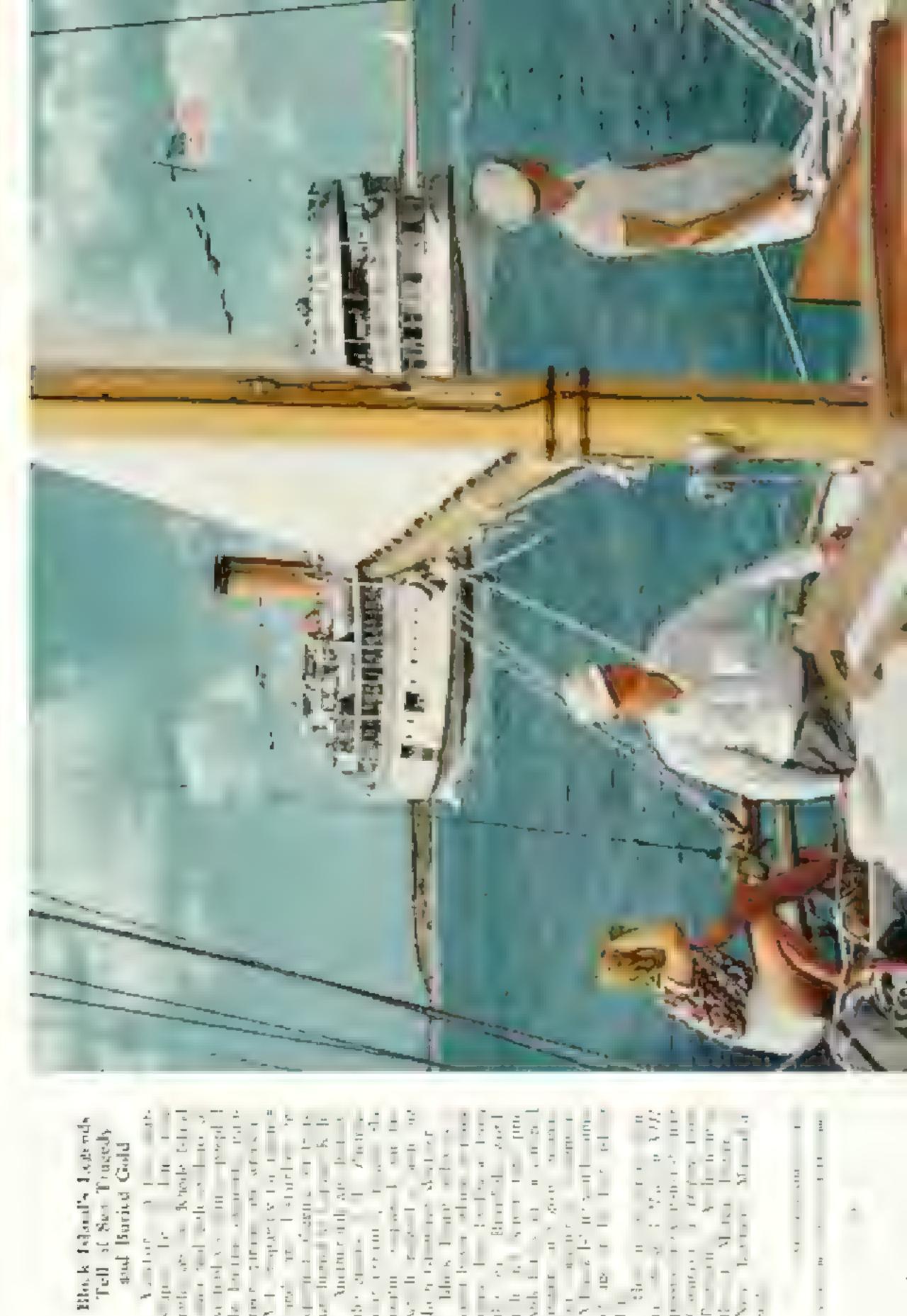
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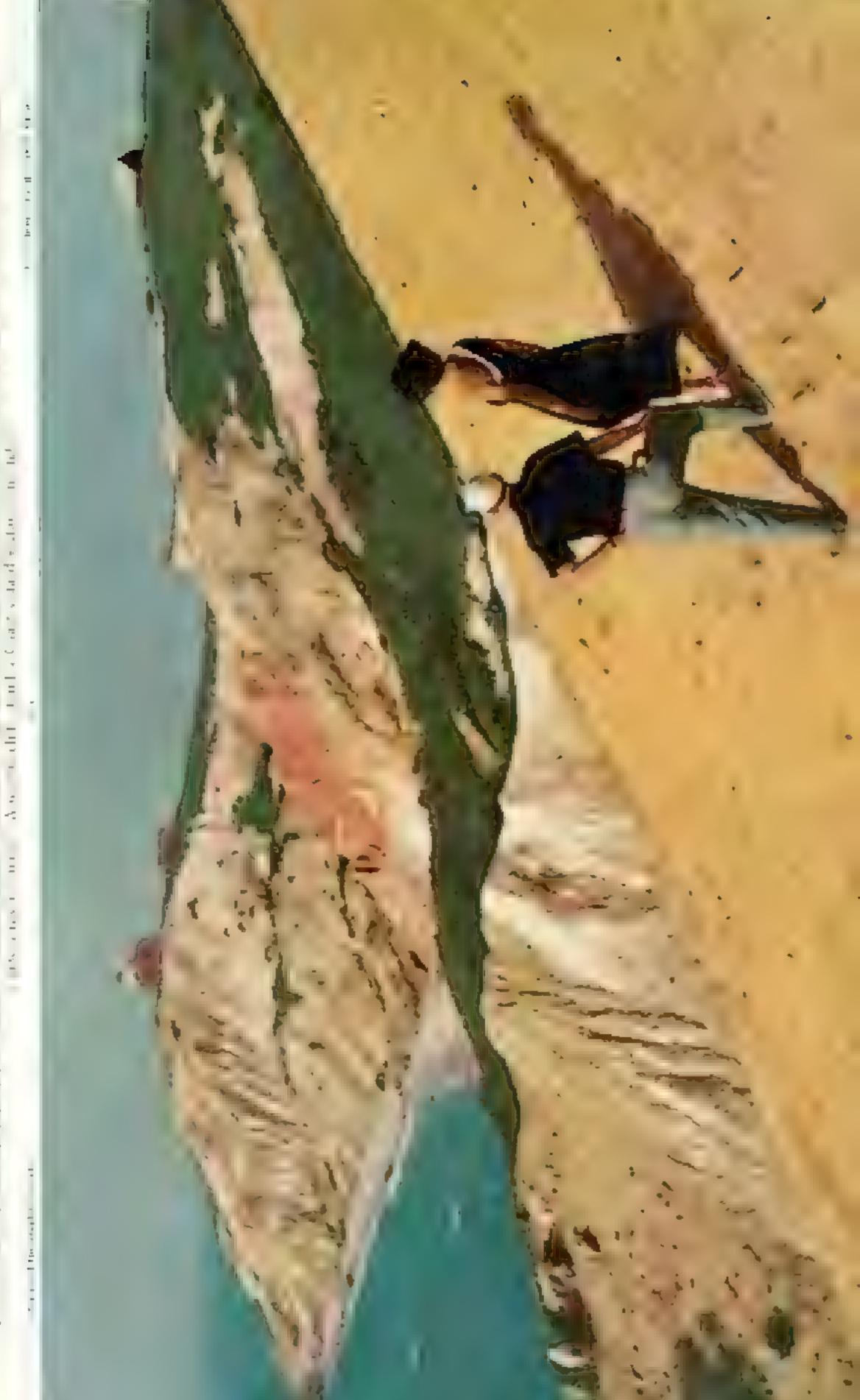
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* 'New Lowland His Liverything!" Sy Sind -beest Magnets

Mary the season to begin in The state of the s Internal to the second of the VW stee bear to be

v II ne from the Sea Is Mystic's Worden Garner Ga.

I some contract of the second ate to the term of the first of the property of the but Man Home Sugar

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youngsters, both lays and girls, study the radianents a f semuniship.

Hankel out on the Mystic River bank, not for from the Conrad, was the plante Keeper 17., built at Luber, Maine, about 50 years Programme 1515.

These popular dauble-enders were even used in the War of 1612. Shrewd Yankee skippers to k a lyantage of the pinkie's shallow draft and lated british warships onto sheads. With the enemy ship helpless and unable to bring her guns to bear, the pinkie come lob at her with mortars

When completed, Mystic scaport should be a maritime Williamsburg, Virginia. Along robblestoned streets will be reconstructed ships if chandlers, coopers, blacksmiths, saidmakers, and the other trade-men and artisans who ke it the port's ships at sea

In the museum's formal buildings are countsess ship models, figureheasts, portraits of ships and famous shipmasters, documents, lockooks, and tools of the whaling and scaling trades (page 164). It would require weaks to examine the contents of the Stillman and Mulfury Banklings,

Mckay's Pride Wrecked by Fire

In the Mallory Building, named for a famous Stonington shipping family, is the figurehead of the Great Republic largest dipper ship ever launched. The builder, Donald McKay, thought she might also have I cen the fustest. But she was tayaged by fire Lefore her maiden voyage and never restared to her crisinal design

Shouls and the sour i of running feet se it us harrying of tside, where we could see, onning up the river and making the old port of Mystic live again, the lofty yards of a graceful. briggapting.

No second glasser was meeded to recognize her as Unpt. Irving Johnson's Fauber, even before he ouzzied her in to a berth astern of the earth-le und Morgon (page 151). Lanket, a former German North Sea priot bost, cume to Jahnson through the furiumes of war. He had recently sailed her around the world and was planning another alone-glid mg unitse.

It will be his fifth such voyage, he made three in another former North Sca pilot vesselte called by the same name. The writer has reported Juliuson's deplatines from and an rreals of Charcester almost since be was lured away from a Connecticut Valley farm. by the uneasy meadows of the sea *

Now, between more ambitious voyages Johnson was lessurely craising Long Island Sound, with, as usud, a crew taustly of Lordlabbers

leving is no Captain Brigh, but when he ordered Fanker's yards squared, even lemining members of the crew heaped to obey as if stung

hy a rope's end.

One of Stenington's most Temous shipmasters was Capt, Nathaniel Brown Palmer. discoverer of the Autarctic Continent while on a scaling trip in the 44-ton sloop Hero, Of him, his shipbuilding father once said; "My humae is Stanington, but Nat s is the world,"

Newport More than a Picamire Resort

We had an easy sail of about 40 miles to Newport, retracing our course of a few days. past, until we placed up familiar Brenton Rect Lightship off the barLor cuttance. The lightship is anchored in waters uch in yachting history, having served as one end of a starting line for countless races, including many of the America's Cup and Cruising Club of America ocean contesta.

We fied up at the New York Yacht Club's abundoard Newport station, a biscuit tosfrom the center of the city. The glitter and polish of America's Cap days is gone and the old clabbouse is now used as a large but

1177 1 .

To consider Newport souly as a playground of the weat by is to make a great mistake formate that on poletyl and arm is a valle. but the old port has a much more substantial foundation than amported pillurs and fences,

Once it was a greater seaport than New York, and it is still an important traval station.

Still standing are some 400 houses more than a century and a half old. These include the headquarters of Charles Louis d'Arsac, Chevaler de Ternay, admiral of a French fleet in the American Revolution

Our call at his headquarters was partitularly fortanate, for workmen employed by the I reservation be ciety of Newport Carnty were engaged in restoring the Murcy Structure opage 1401.

Lacy were stripping off a dozen or so coats of paint which had concealed beautifull, parcled walls, and ripping away plaster who can be pre-Resolutionary tile berriering the numerous fireplaces. They worked so saddfully that carved therabs retained their triginal rusy. con pleanous after layers of paint were removed.

i e admira, whose poternal grandparents ted to France from Indiand, is buried. in the yard of Trinity Church, built in 1725 by

the historia to the Myrah of tise Index, Iss9-1949," for articles by Irving and Flata Jumsan, particularly "The France i Wanter world." Jammer, 1819

See "khode Island Made a City-Sture," by Source W. Large S. St. S. St. L. Novelle,

Ampand, 148



In a National Generaphie Map, School Children Trace the Pearl Sources of the World

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In the markets told of the house wish in the Capitain Littlewicklewing he is not at

Green Cardes Van Zaat, in the days with Grande Island had two capitass, one in Providence and the other in Newport.

Yan Zant, sepressed by a view of a tity graveyard outside his windows, had the stones turned under. Preservation Society employees were even then restoring the little cometery. One of the stones they lind re-erected bore be name of Governor Aradd.

Next room to the former governor's mansion. is the Prescoil House, built by the snaugler John Bannister about 1750. Bannistic's ocenpation then was known in ite televiolity as "free trading"

In 1777 the big boose became headquarters of Gen. Richard Prescott, the British occupation army's communiciet.

Named for Heroic Lightkeeper

Prescott's eventual capture, in his pightshirt, was a hitter embarrassment for the glittering officer, hat a matter of considerable satisfication to Algaker residents, who disliked having to doff their hats in his presence

Entering and leaving Newport Harbor, we passed an attractive white lighthouse which serves both as navigation beacon and as quarters of the Ida Lewis Yacht Club.

The club took the name of a beroic woman. who during many years as lightkeeper, from 1858 to 1911, saved 23 lives. Congress voted her a gold med il, and she received many other awards in recognition of her lubbisht. Her most treasured possession probably was a silver tempor presented by soldiers stationed at ment-by Fort Adams, Line of whose lives she S214/H67

We left Newport in a blustery afternoon. with small craft warnings whipping from the lda Lewis flagnole; but the wind being at before we reached Mattapoisett. 5 5 poked into that bath it is the stall.

Because we wanted a dawn start for Provincetown, all hands turned in early. The on raing broke fair but chilly, making a hot breakfast doubly appreciated as we turned east. through the canal under power. The Army Engineers frown upon sucking through the Fg 4 12

After stagging beiefly at a conal safe gaseline station for fael, ice, and water, we acaded out across Cape Cod Bay. Some the Filgram Monament pierced the betizen abend, femishing the finest kind of landfall. That graceful stone structure tawers 350 feet above sea level, commemorating the fact the Filgrims Littled at Provincetown before moving across the Lay to settle in Hyrnouth (page 158).

Our menual polariouspe always includes a visit to the Provincetown Playhouse and its director, Miss Catharine Hantington, a propert in the little the stee movement. We found Contad Arken there and with him saw his new

thay, Mr. Arculoris.

The theater is on Provincetown's phiest whatf, used by the last of the port's whalers. It is a Playbouse tradition to open each season with a play by Eugene O Neill, whose genius was brought to light in a Provincetown fishhouse which lad been transformed into the Wharf Thrater.

While at "P town " Namad remained comfortably berthed at the bing steamboat wharf, except during the afternoon visits of the Boston steamer, when she had to move laterly.

Pravincetown has an impactant and lively colony of artists and writers. Exhibitions are open throughout much of the summer. Also worth visiting is the Historical Museum. In addition to a wide variety of authorities, it centains an Arctic collection of Communiter. Donald B. MucMillan, assembled during his many voyages to the North

The nated explorer is a resident of Provincetown when not voyaging in his schooner Soundain, which was the case during our visit. He was a member of the expedition on which

Peary discovered the North Pole.

Departure from Provincetown for Gloucester, 50 nantical pilles across Massachusetts Bay, was made in another bright down. It was the only leg of the cruise during which we were beyond sight of land for an appreciable time. There wasn't much weight to the breeze and the sea was smooth; so we set a big, light jib and made such satisfactory time that we sighted the high land of Magnolia and Eastern Point Light early in the aftern son.

Rect of the Wreck of the Hesperus.

South we entered Gloscester's beautiful and pleture sque harber (page 15b), between the breakwater and the reef of Normans Wine. marke famous by Langfellow's Hearth of the 16. B. 166.

On the port hand was the medieval castle of Jahn Hays Hammond, Jr., the inventor; to star Joard, magnificent Eastern Point and East tidor rester summer and year at und honest, and Tespectual Island, reputedly purchased from the Indians for that amount

Cape Arm, in ranged contrast to sandy Cape. Cod, is almost a day rock. And in the center of the 36-square-mile area is a desomite tract. known as Dogtewn Common, where huge

* See, in the National, Countries of marries, by Lonald B. Markillan. "Pears as a Lonky," April 1910, and "MacMillin Arosic Expedition Resurns" November 1934; also "A Notarnlist with MacMillan In the Arctic," by Walter N. Karli, March, 1930.



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And And the state of the state

On all our previous visits we had seen the Hummand castle only it an the water. Now we went over to examine at and found the great stone pile serving both as a museum and as the noted a vents a's laboratory. From the some years ago, he astonished Gho cester by radio-directing a powerboat aro ind the burber. Many of his almost countries inventions aided the country in the war.

Castle's Materials from Europe

In constructing the castle, Hambund inproted doors, windows, sculpture, and fatoiture from Europe. Roman, Gathic, and Remissance art are intermingled. Surrounded by tall pines, the towering gray structure resent les a castle on the Rhine.

Hammond has installed a fine organ in the great had boult like a charch transept. Here noted a usic ions perform. The museum sections are open to the public in the summer.

The Charch of Our Lady of Good Voyage is a Glucester landmark, fashloned after a charch in the Azones. Most of its congregation as l'ortuguese or of l'artuguese descent. As evicence of the worshipers' close association with the sea, the statue of the Lacy between the twin spires holds not the Christ Child had a model of a fishlog vessel. On the church's carillon—the first modern carillon to ug at to this country contests are given during the sammer.

Artists can be found on almost every wharf and rocky promuntary around Globester Motif rumber one is an old red sail Joft at Rockport, said to be the post often painted building in the country (page 157).

A Coast Guard picket beat took is farmighthe Anni-quain Canal, which makes Cape Annian island, to worth the start of the Anni-squain Yacht Club's Squain Day Regatta (page 101)

More than 80 rating craft made Ipswith Bay white with their canwas. The bay also a popular sport-fishing center: record tuna have been taken there.

thraving toloniests we had only one retriming call to the but an important one. This was Mathlehest, conveniently on the route back to Boston.

So we steered for Halfway Rock, at which

traciners departing Salem and Marblehead in the oil days tossed coins to purchase fortubate vay, ges. There must be a goodly a room of small change about the base of the Rock. but the water is the deep for profit the arrestigation

Abothlehead's deep and roomy barbor was as usual crowded with yachts (page 162). Time was when the town fathers, fearful that Marbiebead might be supplanted by New York in maritime importance, value arguer, measures to meet such trisfortume. But Marl behead rations quother claim to fame, as one of the mothl's yachting capitals. In 1947 a record of 522 starters in a regatter was estal lished,

The old town was in gold spirits, observing a rather unusual tercentenary—not the 300th aumients aty of its found up but of its separation from neighboring Salem. Marklehead was settled some 20 years earlier than the festive due

Birthplace of Our Navy

Machiehead disputes with pear-by Reverly the title of birtiplace of the American Navy. The first vessel commissioned by General Washington was the schooper Hannah of Markhead, commanded by a Markhead raptain, She was, however, fitted out at Leverly. So there should be glory enough for both

Jack Breed, who resides in Marklebeal when he is not away making photographs for the National Greenspure and other magazines drove us around the parrow, winding streets.

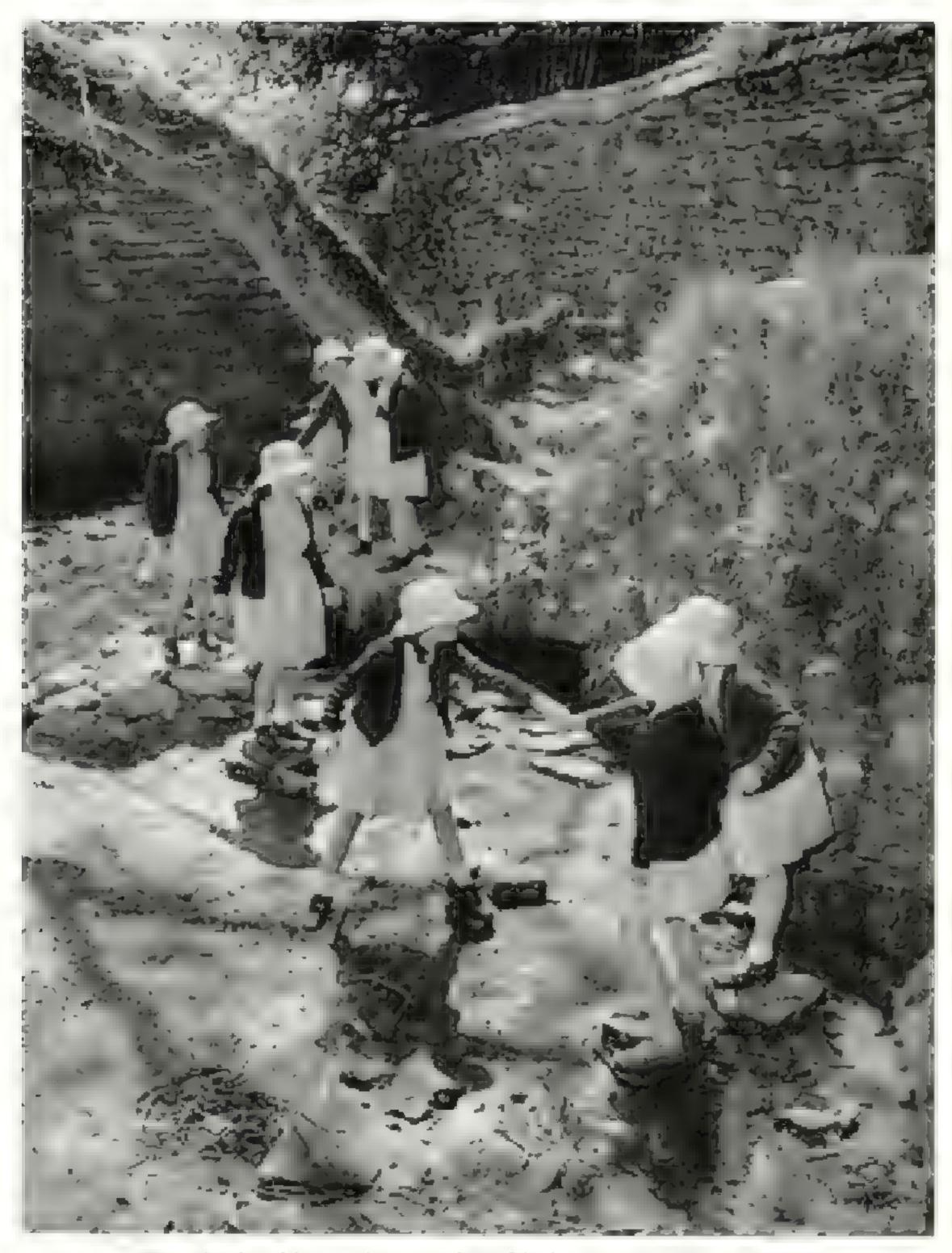
Our progress was hampered by a parade of ancient fire-fighting at paradus, assembled from a wide area of New England for the tereentenary celebration.

We visited the old, round, brick powder muse built in 1755, who b supplied Washington's truops. Quite appropriately, the original of the painting, The Spirit of '76, bangs in the Irwahall

In middletermoon we sailed leisurely along the North Score to Boston Living on Ananad's sail covers for the first time in three weeks and, according to the colonel's reckon us, for the first time in 700 miles.

INDEX FOR JANUARY JUNE, 1930 NORUME READY

Index for Volume X. VI. of more lines 1986. Then Not we be a restricted. Moreover well be enabled upon request to members who had their copies as works of restricted.



Seven Sprites Play at Seven Springs, L'kely Source of River Tiumes.

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A Stroll to London

By Isoma Wynn Heremson

With I'r Date on to National Country on Part graph of to I had no been to

N A SUNLIF day of M while set out from my home near Edinaurch to walk to London, a distance by the shortest rule of 380 miles. But what stroller takes the shortest route? My walk would be a goodly stretch of over 500 miles in 38 days.

On the 39th day I had a thite in London with National Geographic photographer H. Arthony Stewart, who was ld retrice the jour-

vey with car and comerc.

I planted, keeping to the bills, to cross the English border at Greena Green, join the Pennius Chain near the Roman Wall, and follow England's spine to Derbysh to Camp, pp. 184-5). Thereeforth, in the entertaining company of Boswell and Joneson, George Eliot and Shakespeare, I would find my way to Liebfield, Nuncaton, and Strutford on Avon.

There I painted to diverge through the blossony vale if Eveshum to pick up the Thanks at its source near Cheltenhi in or Circucester. Both gittes claim parentage of the stream (page 202). I hoped to follow it right into the beating heart of Loman. With my sister necesspanying me for the first 18 miles, I set out in high luspes (page 173).

An Old Road Leads Across Lonely Mariand

The old read from Edontreph to Launk has the north side of the Pentland Hills through a stretch of bleak montand. With Arthur's Seat and Castle Roc. Castle of the Couds on the Edinburgh skyline. a fingerpost of the Scottish Rights of Way Society ticates the old Cauld Stane Slap drove took which cuts across the fulls from north to south.

The timek had down to the infant Water of Leith. The steppingstones being covered, we removed shoes and stockings, planted flinching feet in the key stream and waded over.

At Harper Rig Reservoir, which is part of Edinburgh's water supply, we impaired the way of a shepherd, for the path had disapteared. In a high pitched shout, like one used to converse with distant sheep deal he told as to make for a post between two heights ahead. It was eight and a half miles to West Linton.

but it'll take you all of three hores." he shrilled after us, above the excited backing of his dig

It was the season of heather burning, and the tang of smoke was in the air. Only sounds

to be heard, the wilker of sheep and the calling of nor eyes, seemed to emphasize the quest of these black and other heights

We not not human being till we come down the southern slopes to West Lanton and the road to blab re's Howe. There Allan Kamsay wrote his past tal The Grande Shephord, little thanking that it would one day land him a pedestal in Princes Street Gardens, Edinburgh (page 152), wearing round his brown a headlifess much resemating a wet towel)

There was ice on the pools when I looked out next morning but the trest proved merely a March Irolic and the day soon became but assumet. Anne I took the main thoroughfare to Moffat. Though beavy traffic thundered, I saw few private cuts save in a functal procession of 17 spacing down the widey from a white farmhouse.

I slept that night in a room I had engaged at the Crook Inn, holiway between West Linton and Myfat. because I had imagined it a small place with lattle accommodation. I was supprised when the door into its howeings loange was opened by a page in a whate jacket haking for my begage.

I swoog it off my shoulders with a sigh of relat. For I was beginning to find my pack to ponderous a companion. Next day at Mollat I bought a hundrag and divided it.

First Offer of a Lift Decline.

Are you walking for walking's sake, or would you like a lift?"

It was my first otter, and it came, shortly after I had quitted Crook Inn and breakfast, from a lady driving a small sales n.

Since the day was young and my pack stdl light, I thanked her and said I was walking for walking a sake.

I seemed at that early season to be the only person in Scotland thus occupied. But for the Youth Hestels Association, Britain seems to be losing the use of its logs. This energetic body provides for members cheep bound and long near a chain of bostels, often charming old matesions from Land's End to John of Grout's, the only rule being that they must arrive on their own steam, whether it be on lock, on cycle, or by canoe.

* See in the Natural Geometric Magnews 'Hanne See land, Postwar State" by Isobel Wylle Hutcheen Mas 1166; and "Felinburgh, Atlena of the North," by J. R. Hiddewand, August 1912.

It was it miles to Medial, and the read climbs to 1,300 feet. Nevertheless I will gla-I had resisted the templation to till a senificent was the scenery. Near Tweedsmuit. hand t of the late John Buchan's boy word and the name he book when ruised to the peerage as Governor-General of Chuaria," I crossed the I weed, a mety stripling bearing half-grown from '14 well in the hills above, to visit the lists Or, William Shillinglaw Crockett's church on By tree-fronged knoth

This past and historian of the Covenanters' country was also known in America and Canada. A tallet on the walls of the little church commemorates his jubilee as its

m. bister

Snow posts marking the highway led me up to the farmous Devel's Beef Tub on the heights above Moffat. A roadside caura reminded me of my unusual good luck in enjoying brilliant March weather; for here, in a great snowstorm in February, 1831, James Wilderige and John Goodfellow, guard and driver of the Edwhurgh Dumfrees man vant. perished in a heroic struggle to bring the muitbaga through,

In the old churchyard of Meffat, where these gallant postmen are buried, lies also John London McAdam, whose name is immortalized by the type of road he popularized.

A charabane from Blackpool had just scattered a load of Easter trippers, like bright batterilies, around the memorial to John Hunter, a Coveniater who was shot bear the sheef In a im 1685. The kindly accepts of Lancashare were borne to be

"Co im on, Mother, coom and see where the

jucks used to keep the meat calmin."

She can't down, 'Arry, she's wearin' 'er hedroom slippers! She'd fall down them

places1"

Hat the old lady was be ped out, slippers and all, and taken to the bring of the vast enstroulike Beet Tub, hemmed by steep green wads about 600 feet high. Here it is sall the Scot ish reivers (miders) used to hide the berdy of fat cartie they had filehed from their neigh nors across the bordet.

From the Tub the road spinals shown lake a revolving picture gallery to the pleasant spaof Moffat, noted for 250 years for its sulphur wells. A Lumtain in the market place, surthe inted by the lite-size statue of a ram, appropriately reminds visitors of a benefactor to where this sheep-farming neighborhood also owes much of its prosper ty.

by the old Carlisle roud to Wamphray, an anfrequented and brantiful highway, I fellowed the Annau next duy, rejaining the main r yel a goot six anles from Lockerbie.

It was an unpleasant six miles. There was no footpath ofer who reeded it?), and at frequent intervals lordes hurtled past, carrying profit of afted bouses which by next mother ing would probably be filled with families whilst breakfist a wheel in the kitchens!

Where Lies South Favorite Heroine

What, I wondered, would Jeanie Deans have said to these? Before cuitting Scotland, 1 had a special pilgranage to pay to the little kirk of Irangray pear Dumfries, where Sa Walter Scott's favorite heroine is hurled

Jestie's real name was the very appropriate one of Helen Wather. In 1737 she wasked barefort to Lendon (ver the rough and dangerrus roads of that type negrouplishing her journey in 14 days, to intercele for her sister's i ic.

one sleeps beside the Cluden Water under a stone with a rather weighty epitaph, both the gifts of Sir Walter. Here, following a track beaten through the grosses by her many admirees, I found her on Easter Sunday (page 174).

The church was througed for Ensiet, for Immgray -once a renter of the Stude of the famous Galtoway angs-lies in the heart of the Covernmers' country, and the blood of the Coveranters still pulses in the veins of its parisluomers.

"Upon so oak-tree near the kirk of Irongray, at the faut of which they were buried," Edward Garden and Alexander MacCubine were hanged in the dark year 1585 for refuence to abjure their religious convictions.

"Hoth flied." said Scottish historian Robert Wonrow, "in much composure and checifulness, "leaving their waves and babes "upon the

berd and to His promise 1

I came quite suchtruly upon a statue of Thomas Cartyle, the genius of Ecclebechan. There he sat, head on mand, gazing thoughtfully from an embrence down the window road into the vil age. The two-storied house where he was been in 1795, son of a stonemass at now belangs to Scotland's National

At near-by Craigen uttack, where Sister Reportus was written, Emerson visited the sage, and with Emerson's help, in 1830, the work appeared for the first time in book form in America.

The Carlyle house contains many interesting relies, landscang two of his wide-brimmed hit = a black felt and a battered straw Selving a numeral when the attenuant's back

* bee "I wee from Park The Issuer of a Pilgramage," by the Lady Tweedsmair of Elstele, No TIONAL CITATIONERA MAGAZINE, Apr., 1208.



All Mone the Anthry Smolls Kerng a Serttish Lane Between Lidichungh and London

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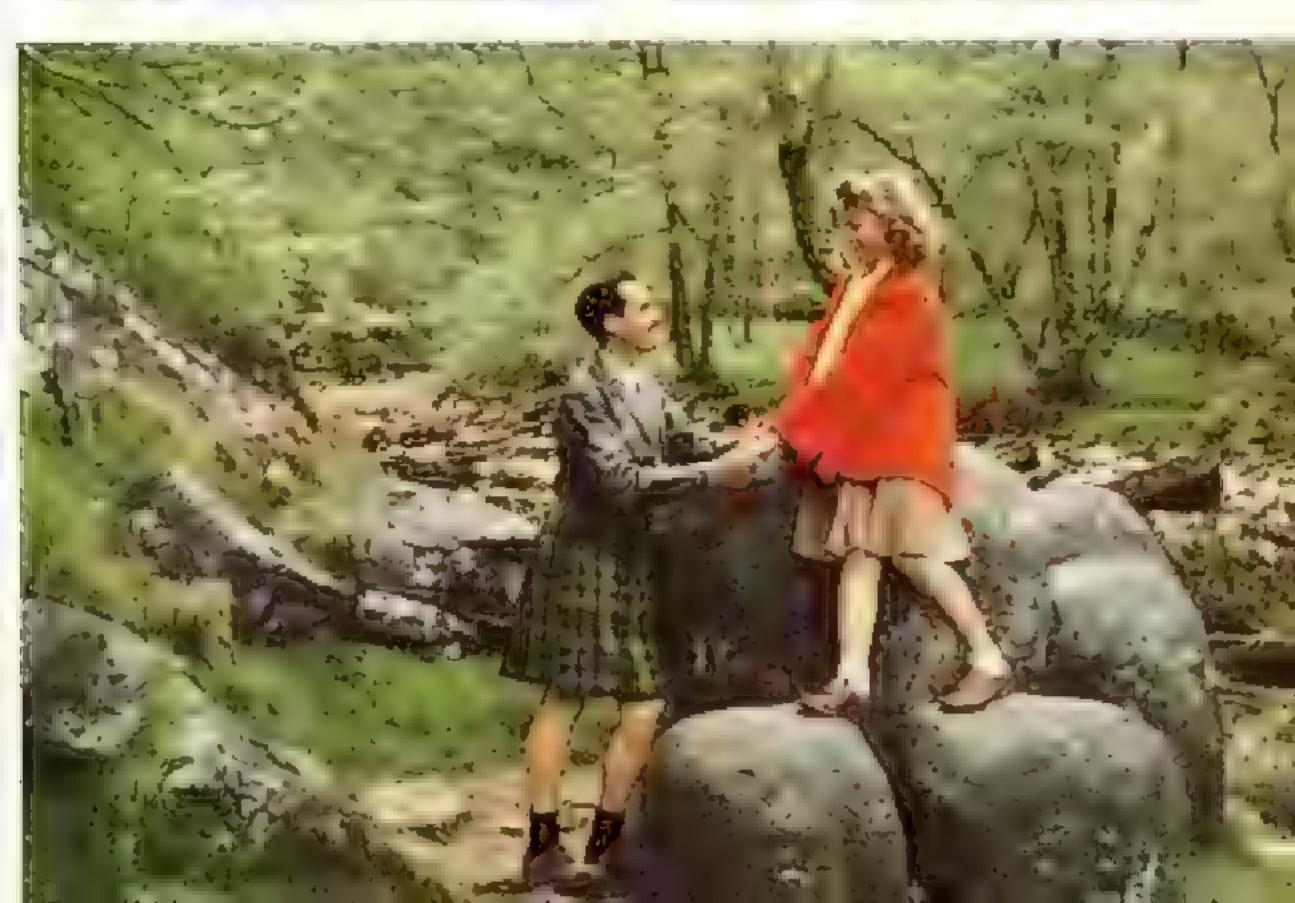
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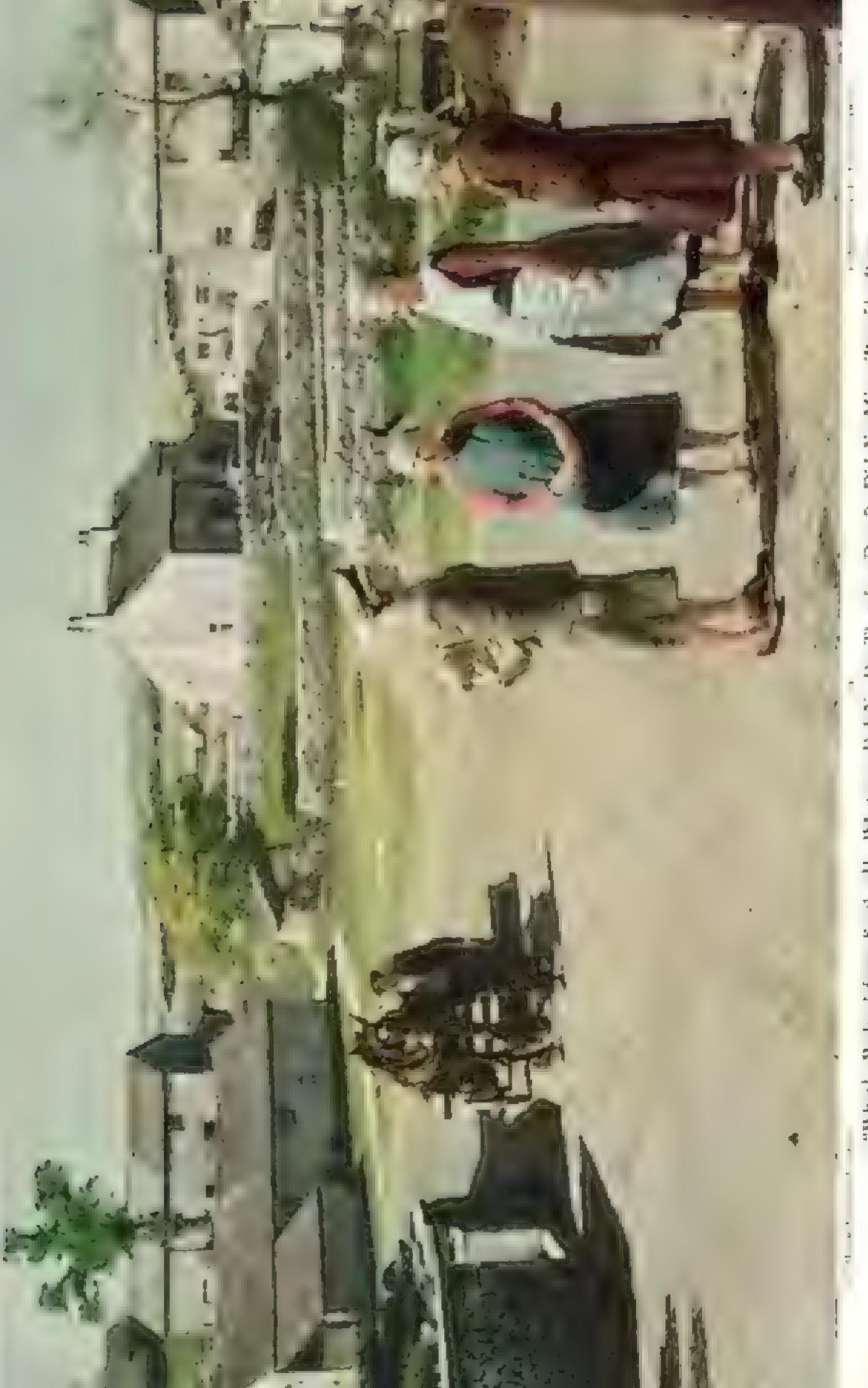


* Yorksoire's Glossey Moors and Boulders Inspired the Broute Sisters

Scott "Popped the Question" of His intended of the Popping Stone

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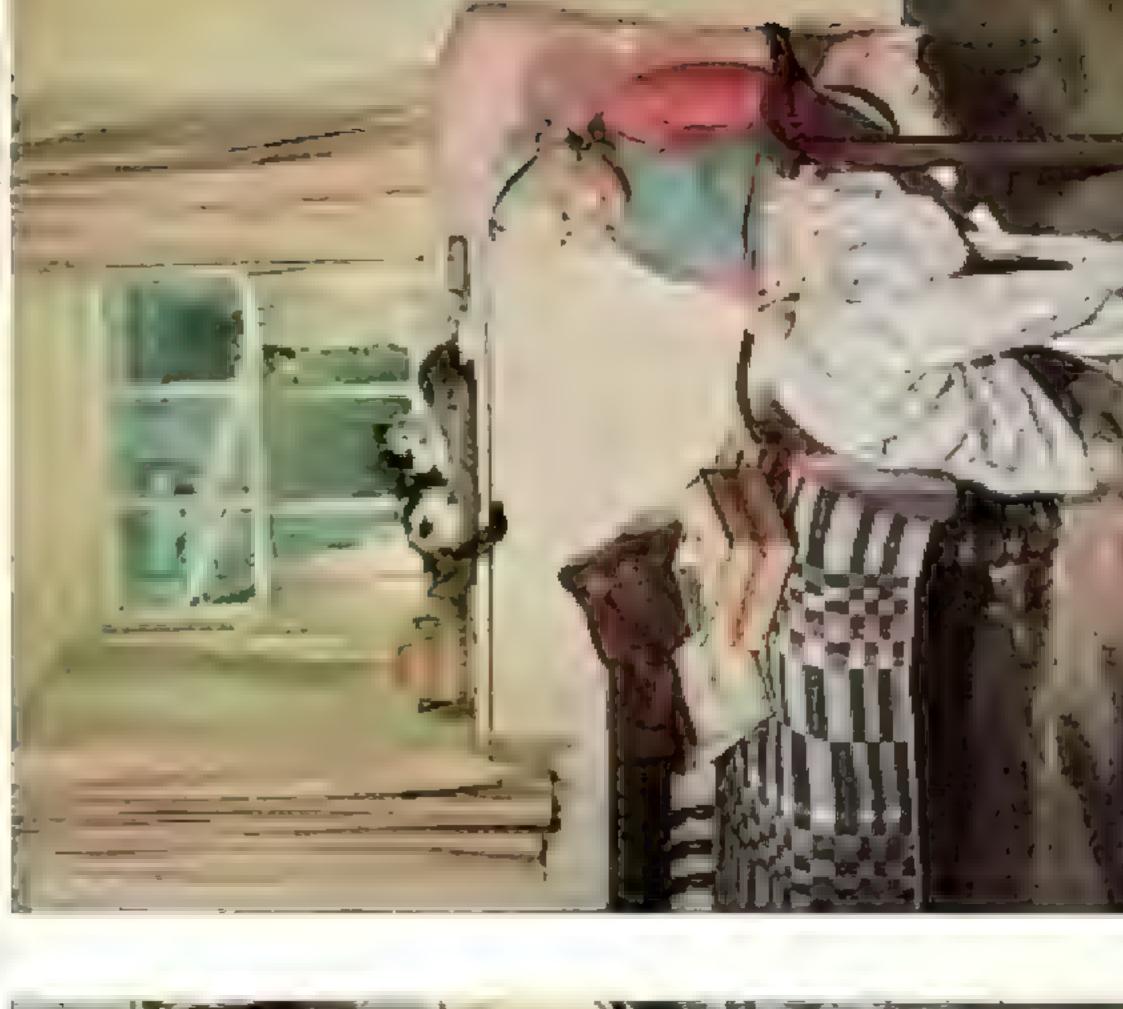


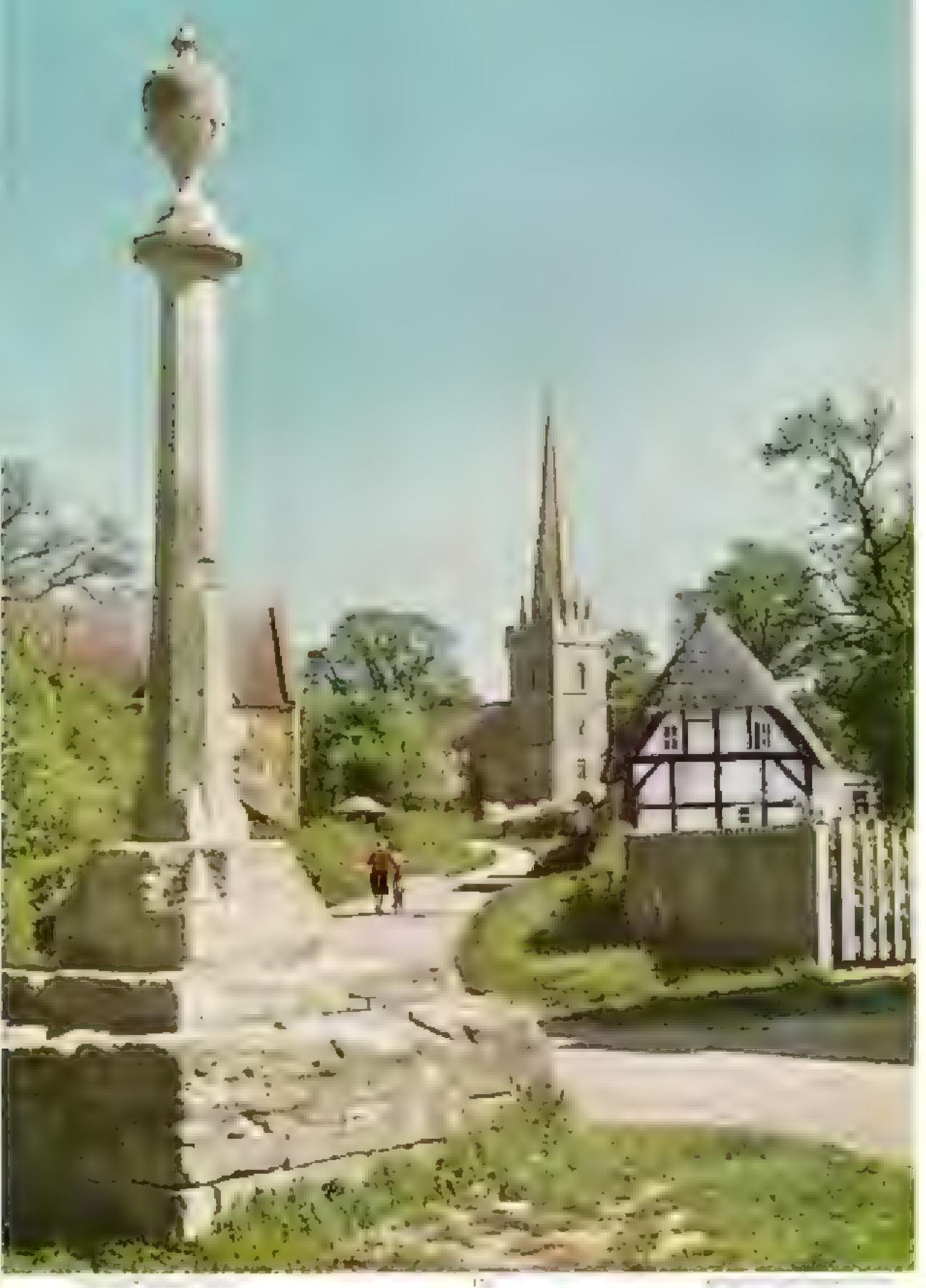
Whatever B.d Ye Da That for Dour? Did Ye Mice "Brows" Bus. "Wheel Walnut from Scotland!

Greens Generals Marriages asser the Agail Are San Marre Santa a first and a marriage in the Land Tree and a sale









Norman Carach Datased Birder and Winning Lane Tell Way Artists Love Chads Wickers

Land Manager 19 and Manager 19 and 19



* A harmer-Note on in Health Old Uniteres Decrees Standay in His Francy

History of the Carlot State

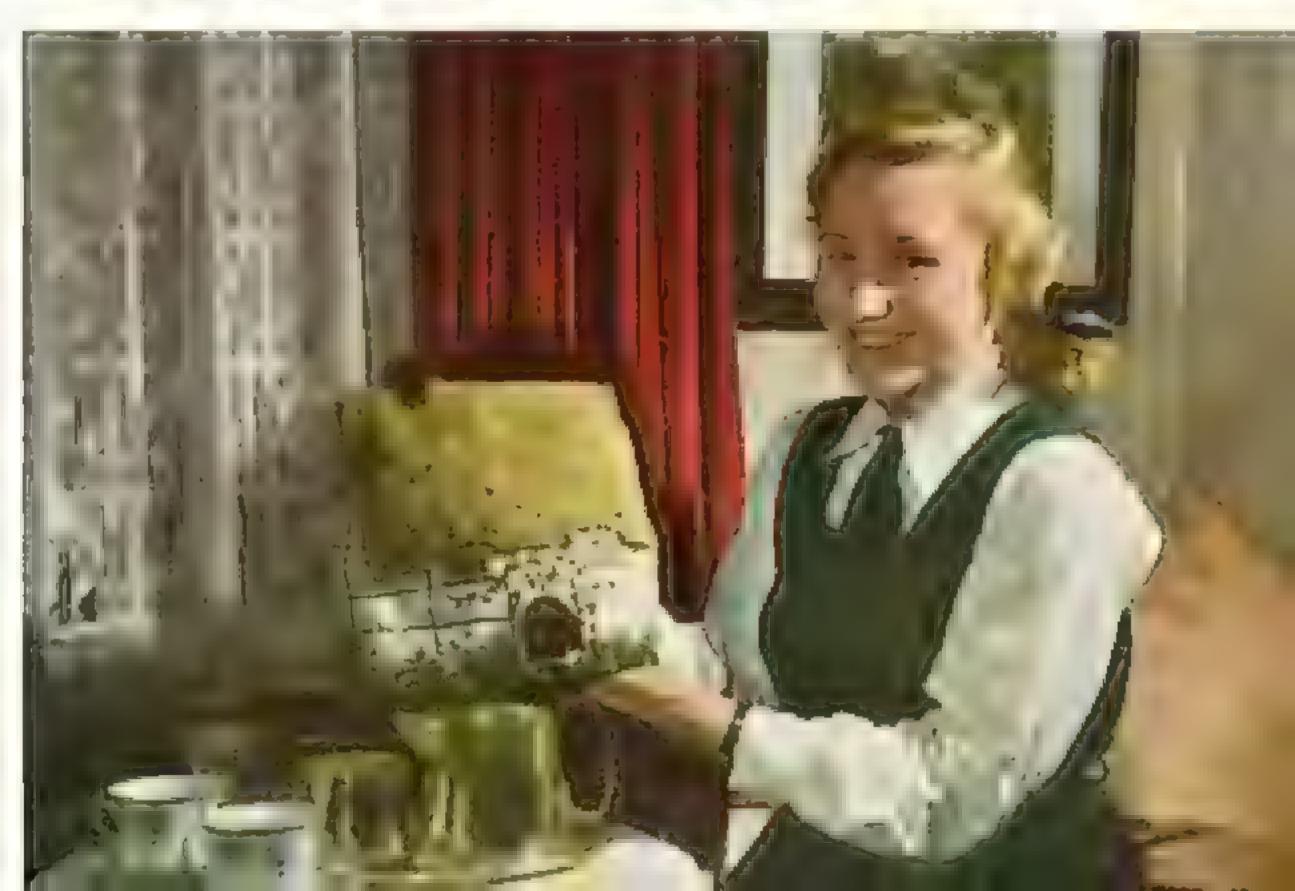
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to be be a ready when the Prophet of the form of the property of the Prophet of the form of the property of the propert

was turned, I put on the black one and wished

3 Wish

It seemed the right thing to do, brand for gway is the Gretra Green blacksmath shopwhere visitors write their names and make wishes and in Irthing Valley just across the Rorder is the Topping Stone where it is said Sir Walter Scott sat when he "papped the question ' to Chark the Charpentier and got his

wish (page 175).

At Leclefechan there is a growth where manager, an expert angler, will take a visitor out to the Annan and belp him to catch at salman trout, or maybe a salmon, for his But if asked for a vendoce, the manuser wall send him to Luchmaken. Like Rubert Bruce, who may have been born but Lochmaben Castle, this bule fish has brought fame to the major.

Romango Lingers Around Greens Green

Frew far, bow for to Conton? The years and prize awar, And chaise and-four will nevermore Fligg dies a rape he anflat on I rule the Carffele would Where lite and live have less Dear again the buring house for them, the or Carrier Colors

Thick was failing in the "long, low dining room" admired by Charle's Dickens when he wished threma Hall in 1852, as I sat after supper and read these lines in a little book which teleges the rotom the history of this Some is matesion. Built in 1710, it became the goal of pilerims of the upper classes anxious to marry in haste and repeat at leisure,

Under a now obside è Scots marriage law, "where a single man and worths declare trepressives husband and wife in presence of two witnesses, they are in fact legally may ried." There were many 'priests' around the Border villages who married couples under this of I law, the much they were not recessurily blacksmiths. The blacksmith item is a modern innovation in Janown to stageworth they's spage 177).

One famo is "priest." David Lang, had a very different career, for he was captured by a press gang and forced to serve in the British. Navy. But his vessel was seized by John kual

When the Father of the American Nasy. railed his native Sidway Firth, Laug was comprised to accompany him. But Lang knew Solwayside as well as Jones, the gardener's sen from Arbigland. One dark night he «տարտե

Changing his role of sailor to that of ' priest," Lang conducted marriages at Gretna Hall till his death in 1827.

One of the marriage registers of that date. recovered at a Landon salesment in 1912 for £420, replajos 1,) 54 entr es between 1825 abil 1 1 3 5

The firelight flickered on the work around me, lighting up cartoons of fam as howers of the past: John Peel of the rousing hunting song, who in 1797, forgetting hounds and both carried his sweetheart, boun's Mary White, to Greina; Paince Charles begranned Bearbon who mainled Pembore Smythe of County Waterford, "reputed to be the most beautiful wroman of her time." She was also (thrugh one hopes Prince Charles did not know about beiress to £30,000.

Here, too, came 22-year-old Archibald, Lord Depolaring, heir to the Marquess of Queensherry, to eshouse 17-year old Caroline the to local daughter of General Sir Wil-Ham Robert Clayton. 'The gods," 't is said. "smiled on this commutate a nice," and the pair haed happily ever after at Kinnount close by,

"loved and respected by all."

Equally happy was the union of Lady Mand Volicia, beautiful daughter of the Farl of Jersey, to Capt. C. P. Inhetsun of the 11th Hussays, though she was pursued to Gretna

Ly her imte father.

A few years later on August 76, 1847. "when the harvest morn hung low in the sky," the Duke of Storas Cesamo, "a Tare t descendant of Caesar and related to all the sovereign houses of Europe," was married here to Caro-Hae Shirley of Chartley Castle, Staffordshire, at parently without pursuit, for the pair 'remained at the scene of their remance for saveral days." I wondered if they had visited the Reman Wal, as I was about to do, and if Car drag had found the Duke's Reman affections as Lesting as that astonishing piece of musinity!

There was stid no sign of no heateses when at last I crept rather harriedly through the lark hall and up the stars to my bedroom and shut myself in. As I closed the door, I recollected an unpleasant ghost story about someone who had done just that, and immediately had beard a thin voice among the beccurtains say, "Now we're shut in for the

Anything like that might have happened in my bedroom, which was a romantic apartment lighted only from the fact and hungabout with curtains. I got into led hurred y and fell asleep, only to be wakened by a persistent knocking and by what seemed a cru trom the comantic past of 'House' House!"

It was merely an early hird hopping on my skylight and the wind whispering to the old yew tree in the garden. The tree has watched



Chose to Scotland's He. & Lies Prince Street

Notes to be the second of the III fines we are go with the second of the second of the proty to the first of the first of the second of th that it has at last decided to blossing itself

Roman Wall Ruins St.II Draw Travelers

The Romans, who becupied britain for some four centifies, have left as their ni est remarkal le mor innent. in those is and a the great Wall 73 miles long and or a date v 15 feet high , we want to proper built thatian the rest of the fe pe or Hadrain - e - r great dyke of Line as rock the Whin S.II of mostlers Frighted, from Lynn 5 5 way. Its rains draw travel and schulpts from all parts of the world "

I visited it from Brampeton, a pleasant market town in Comberland, where I passed my 120 miles in England. In the 45 rished as major about longly presented the Long this town on beyeled kneed to Prince Charlie.

The I'm assertion of a section the destruction of a section of the Wall, which was failed cown by the opposing general to, we a tool for his course,

Mail, including ranch of the beaut ful 12th-century Lanercost Priors, are built of the square house have been pames these bases are built next pames the second contains and been pames the second contains and being pames the second contains and Bird swald.

The first the first the first terms to a second terms to the first ter



ty along he or Carry of Med, the Level Poster of Makes His Daily Rounds

A Note that the second second

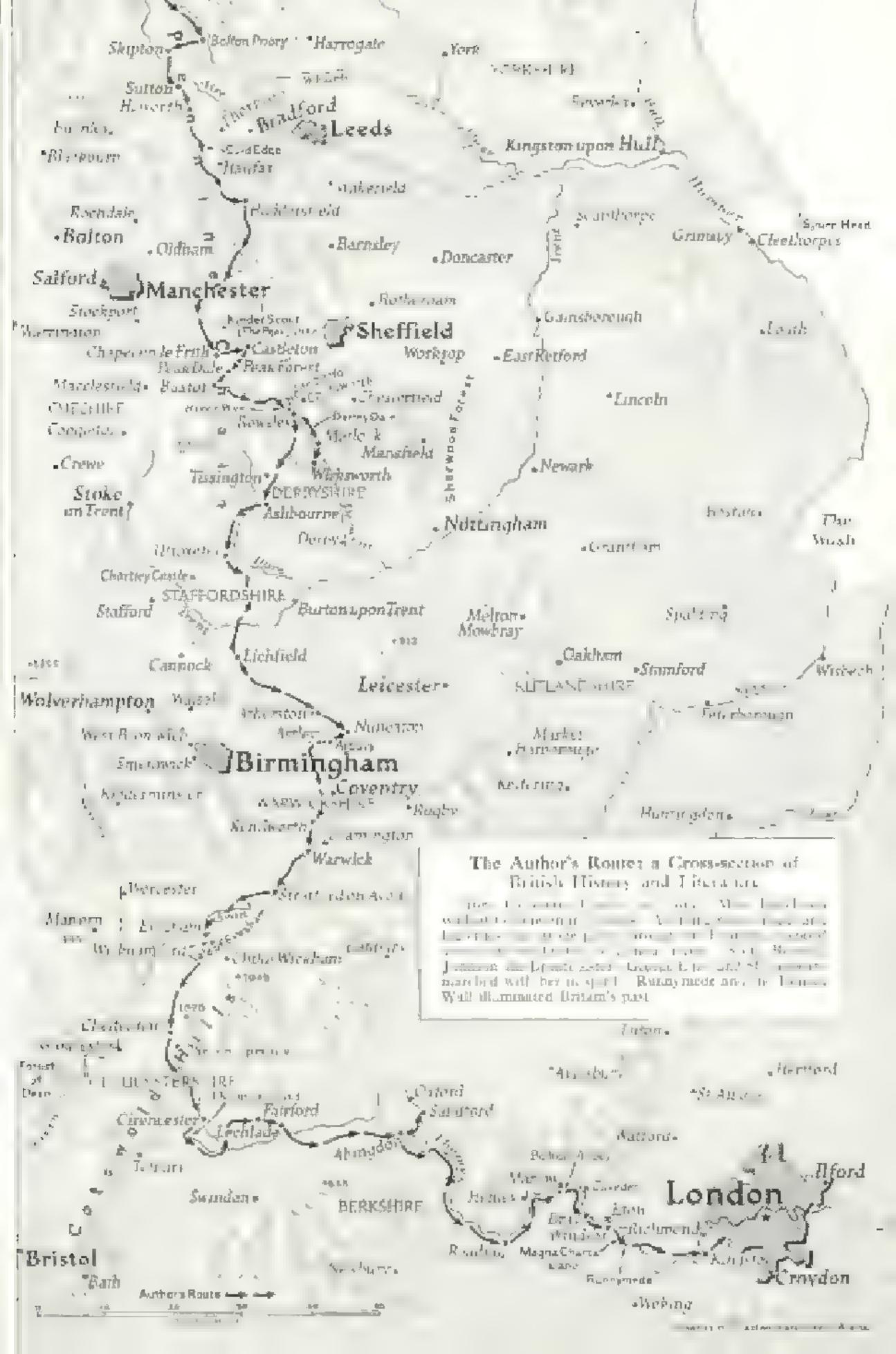
And the three to his the fine to the fine the fi

to a the is the armorer's force, with his to a the land stapply of armore out the greatest armore on two transfers of these.

the Wall are specialists, but gale works were out on the day of my tisk, and or himself and the large transfer of the large transfer

No comment of park drapper, but have the tile was at at a to the tile was a to a to the tile of the ti







Take-wheeling tanks a large Ralls Jonney Reed Lughord

The state of the s

transport to be the second to the second terms of the second terms

Washed Mong by a Blozzard

Single of the property of the second of the



Ab ve II - Native Market Place, a Precedoquent Genius Meditates in Stony Silence

Note that the property of the second second

The transfer of the said of th

A line sell process for held there over a considering that the colly of the warrier after all the model that he colly of the warrier after all the model that he college the following a college that a happy afternoon model the Dale felt, of whom the saying goes. "They is somer you and they'll winter you, and then they'll take you in."

I slept that might at High Force Hotel, and who is the line of the test over basaltic

totage into a purior and the normal the total and the contract to one of the contract of the c

The creation of the find of the When Leading of the side of the si

Snow lay next morning in the ward or to hotel, once a ducal shooting has patronic by King a word value of the or the same are

as I passed on down Teesd de to Barnard Castle. Here the river, carving under the old bridge gredges the runs of Bernard Habol's 12 h century fortress, around which 5 r Walter Sto t wrote the pour Roboby

Dickers for is associated with Ramand Castle, which owns one of the best provincial nuseamy in England. He visited it in 1838, and wrote part of Nicholas Na Mc6y in the

old kings Brad Hotel

There are few tol, kridges left now in large land, but one crosses the Tees near Rokelly. For a halfpenny I reached the farther bank and the rains of the 12th-century Eggle-tone.

Abbey

On the monks' little packbridge close to the neutern highway I put the Rokely game-keeper, a man of many curvies, such as postchers, maspies, and wessels and a few friends. One of the latter, a red scalard, watched me next morning from a branch with his large brilliant eyes as I went down Brignatt Banks reciting to myself accet's ballud

to be, and Lands are fresh to black to a second are grope.

The control of Fresh as que to

A Prison of Mary Queen of Scots

I thought of the lines again two days later when I came to Castle Bolton in the Tre-Valley, where the hapless Mary Quern of Scots spent the first seven months of her 10

years' imprisonment in England

The way to Bolton bed me over high lonely moors. From the magnificent distance of these high tops I descended into one of the eveliest of the Yorkshire dales, Arkengurth-dale, with its stone-walled fields, little gray village, and old bridge. The Arkle Beck tradles into the Swale near Reeth, a pit-tresque town of Yorkshire's North Riding, set among a wire green

I slept that hight at Grinton Broke Hotel, werlooking the Swale, and next day crossed bleak moons to Redmire, in the wake of Queen Mary and her retinue of 43. My path, like bers, apparently brisdled with secret dangers, for the more above Redmire are a War Of-

fire cause.

When the red that was flying, a notice warmed that it was nangerous to proceed. But I had already proceed about a nule before I saw a tuttered ted that thapping dismaly train a past

"the Lack! Go back! should a grouse,

springing up from the burnt heather.

I regarded the emblem, however, as a war reite and proceeded. I came to a surger, even redder, flag, and beyond it another warning

The path ran downhill now, and niews the trees I could see the strong towers of Mary's preson. I pushed on past a quarry where yet another notice warned me not to proceed when the signal on the slag heap was set at "Danger," as "shot firing" was in progress.

When I recounted my adventures that afternoon at Street Head Inn. Newblaght, on my way across the pass into Wharfedale, the pustman withdrew his head from a foaming tankard to shake it at me and remark solemnly

Yea've coom a very diargerous way if you've corm over Redmire when t' red flags were opp. In fact, you're backy to be 'ere at all?"

He took another enormous swig. Indeed believe he is doing so at this moment, for when I return d six works later to the same delightful hostelry, there was the same postman in the same seat, apparently qualling the same tankard of alch. (Page 183.)

Wharferiale, says Baedecker, is the finest of the Yorkshire order and one of the most

la natiful valleys in England "

Between the lovely old church of Halberholme and the tains of Bolton Prony there has a succession of picture-que stone-taled villages, the delight of anglers and artists. I passed the night at Kettlewed and came down he riverside next day by a woodland path, past the language Strid.

Here the fiver parrows to a few feet, surging between rocks, and here (says legend and Wardsworth) young Romilly, "the noble Boy of Egremound," was drowned whilst attempt-

ing the jump.

The gree bound in the least but a fack. And checked him in his leap

His sorrowing mother decreed that in his memory there sandd rise

in Bolton, on the nels of Whirl, A state 5 promy

Its fine rules still stand in the mean we close to a footbridge and steppingstones, the delight of picuic parties

In a botel close by I had salmen trout for dener, and afterward in the lounge listened

a part of a true is stomant

Brones Country Grien as Wathering Heights

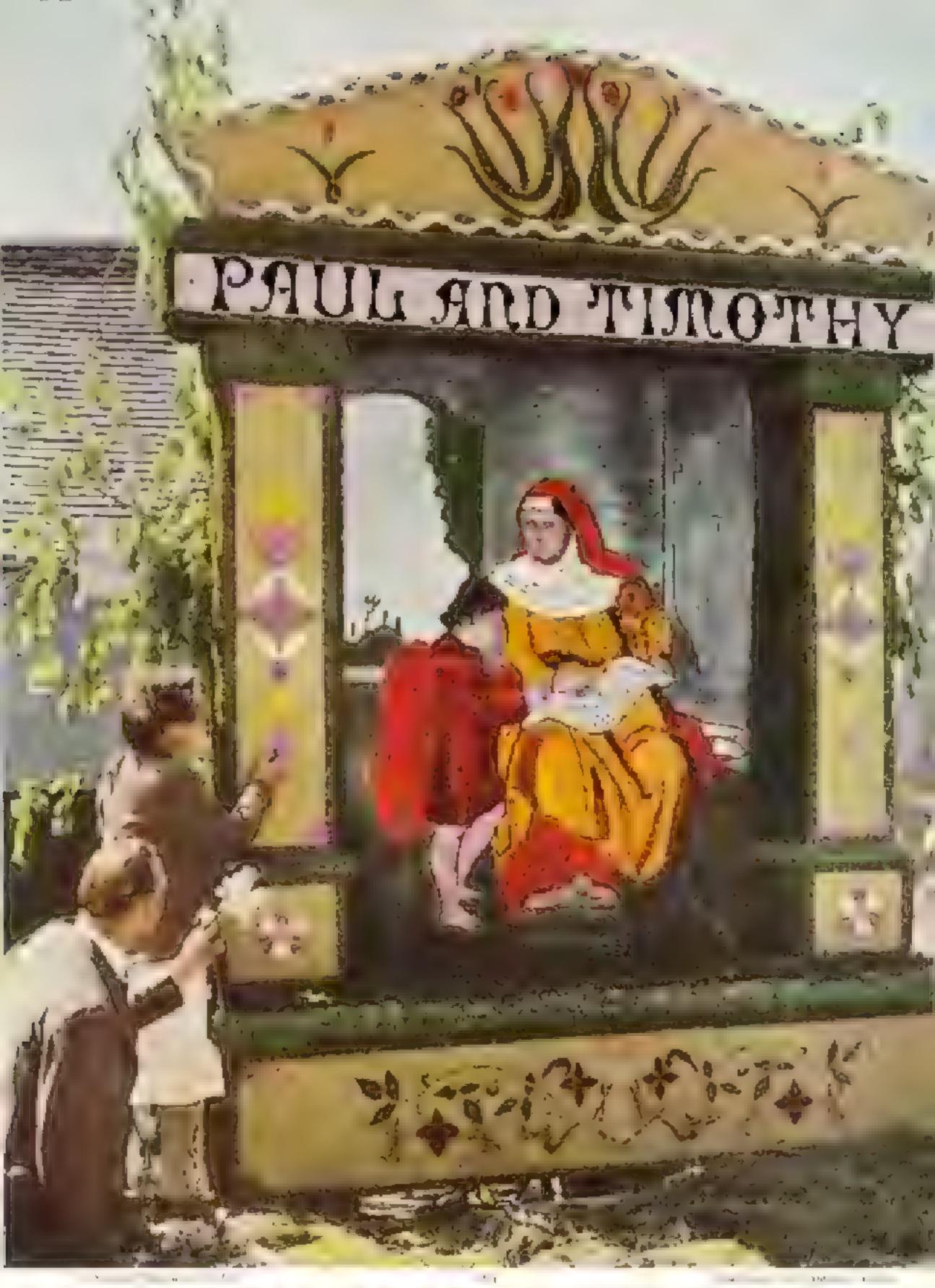
Next marning it was raining, but the weather scenes, to suit the day, for I was bound for the Brontië country. Beyond Airedale, home of the weathnown breed of dogs, the moors change color and marken always their hard foundation of Malatone Cital



Game Are Warrele's Cats Walls, John Lees Gate Survivas. It Weater a Compet as Its Cath

Than the first property of the comment of the Section of the Cath

And a section of the property of the Cath o



Wirksworth, Where Water Is Scarre, Dave hes Precious Wells with Flower Pictures

I bill to black a common of the party of the car, and the party contact to black at the car, and the party contact to black at the car.



A release are an Artima Remeasure on the Sare at the House Where the Peer Died in 1016.



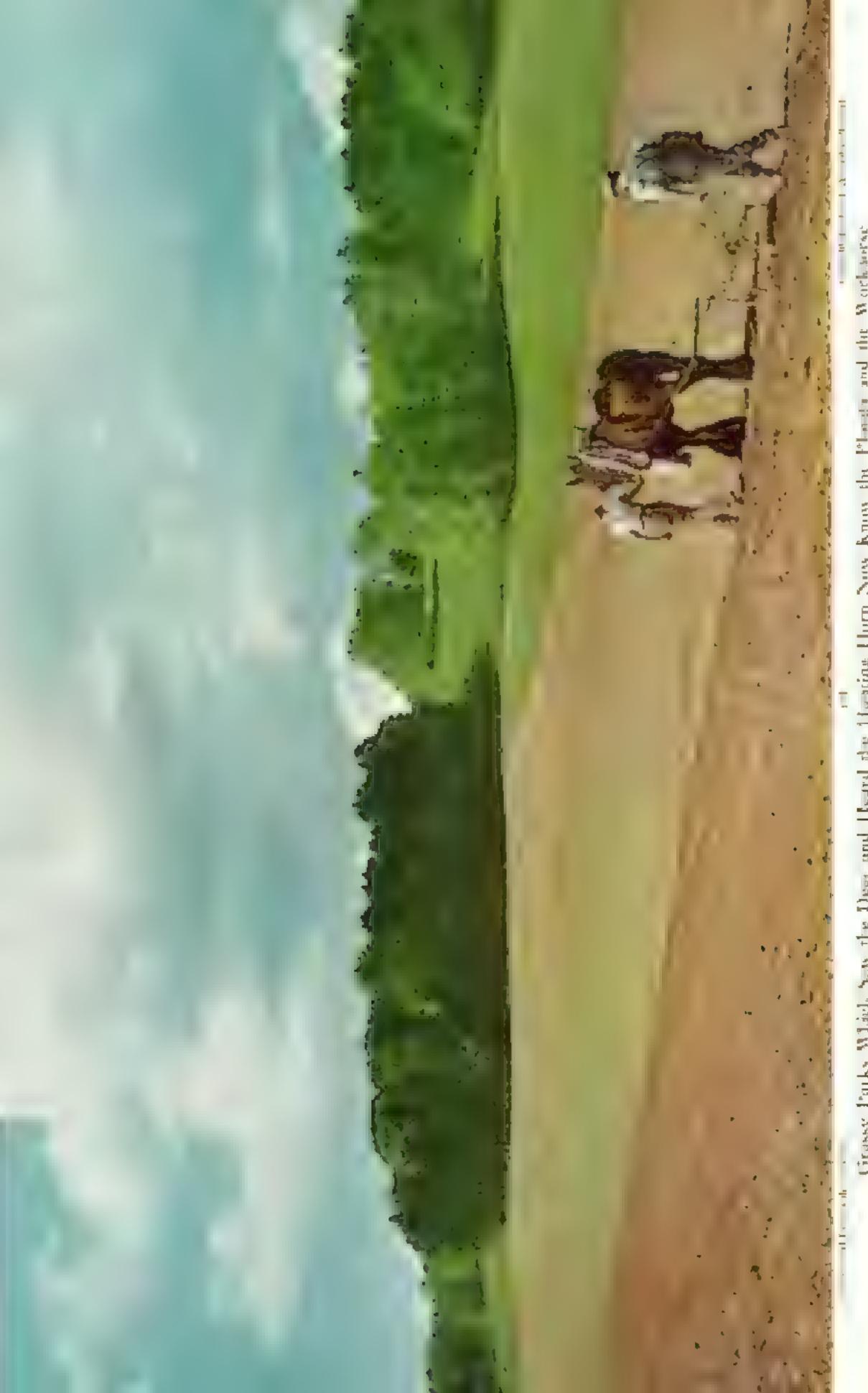
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Person was a for an artist with the order the artist of the discussion in the contract of t



Chaltenine tranily Paras Manual Fire

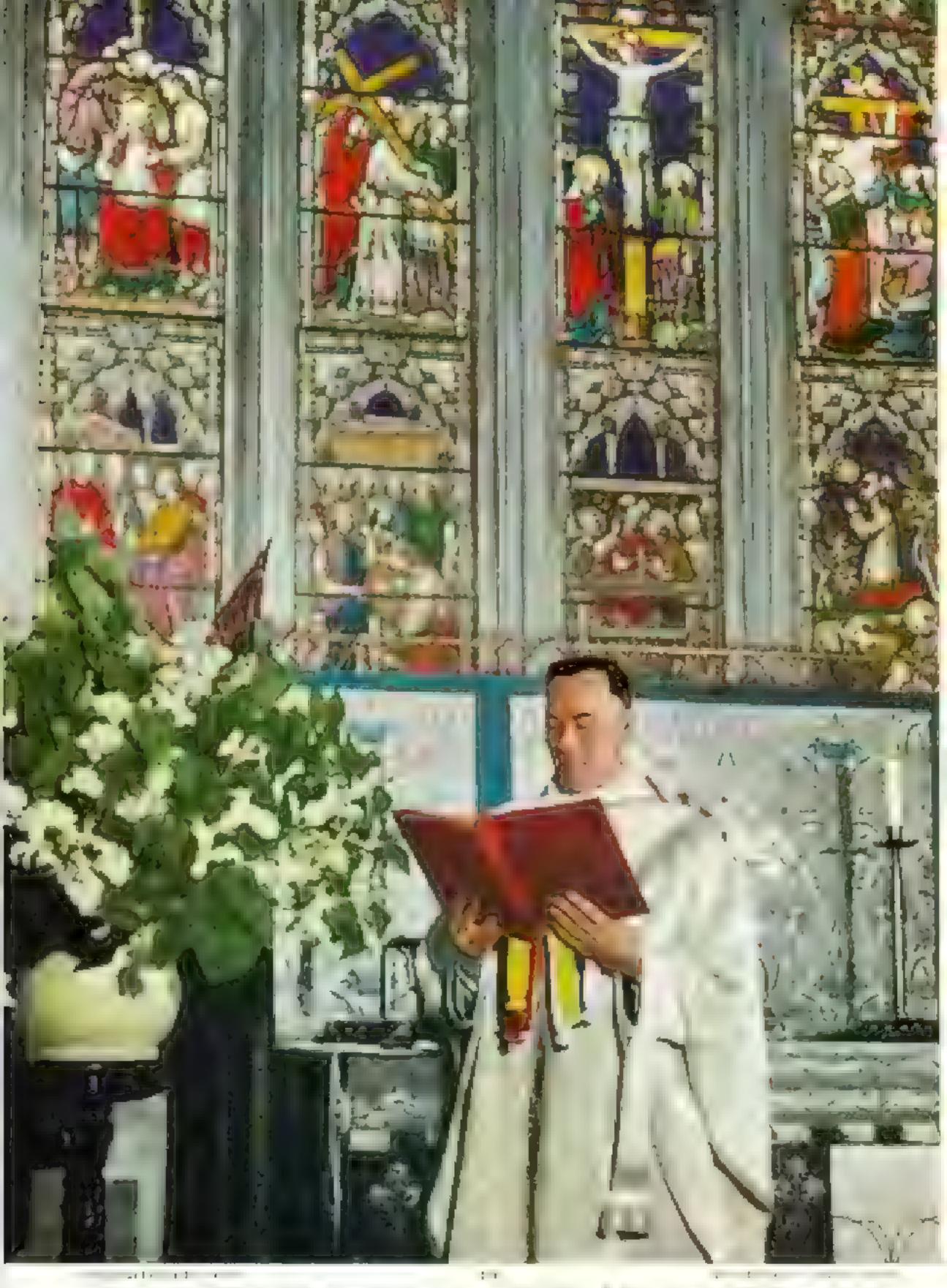
Wive and Per I. vo Wierge the Bargemen in Brass and Pairt Sm ve to Make & och Posting Brase ile Stinest a ten Silver on tells of it that the Some even its tell at all all



Grassy Parks Which San the Deer and Beard the Haring Horn Saw know the Plangs and the Worksover



Lann of New ed Birtann Abbes, Reshare Members of the Wittens Ras



Benegit the Wandows Sate is at the Cress, the Vear of Brus Reads (Ins. Prince Rank).

The body of State, Law, the first of the first of

I got a lift to Skipton, where Langtellow's track is buried, but as I labored up the steep hid out of Satton village, some miles farther un, futious obslaughts of tain haussed me. As I was blown down an almost perpendicular slope on the other side, the frenkish sun lit up as if by electricity, and the "dark sutunic mill" in the hellow lated me to sit down by the mill tream and eat the park pie I had bought in Skipton for lauch.

On again—pork pie notwithstanding! hi wa now by winds from every quarter, to another height which showed me bluemth strat has the opposite slope, topped by its

4quate-lowered church.

After another grim climb I reached the church and sat down to rest under Churbate Bronte's window, gift in 1883 of publisher George W. Child's of Philadelphia. In the church is the Brontii valit, where one by one every member (except Anno) of this gifted

but fated family was untimely loid.

The grow pursoange where Charlotte, Emily, and Anne spent their short lives (they were horn at Thornton it, Yorkshire) is now a museum, the property of the Bronte Society. With other valuable Bronte relate it houses the collection made by the late Henry Phouston Bornell of Philadelphia. It has been placed here for exhibition at "recognition of the high appreciation of this gifted family by the English spenking people on both sides of the Atlantic."

I slept that night in the limite Great licese, where my sale companion was a young girl. She was writing a novel centered around Emily Directe's Wathering Heights (the Withins). Springing barctook over the rough room like some reincarnation of C. Lenne Heatheliff, the writer led me in late twight past the Brante Waterfall and the itemite Chair (a state shiped like a scategage 175) to the derelict building of the Withins, which still stands abandoned on the beight of the moon.

I cering into its dark and broken chambers, we seemed to hear the ghostly fingers of

Catherine tapping on the wincew.

My way next morning led over another rescribe ridge appropriately market, on my map as "t'old Edge." It was the old couch road to Halifer. Here and there I came to stretches of pavement amid the heath and at last, quite suddenly, on a little public horse overlooking the valley.

The folly landbord was brewing tex in his kitchen. He made me sit by a welcome tre whilst he filled an enormous mag of the potent beverage for me, talking the while in the load value of one accustomed to outery the wind.

"It sathe wind that's our enemy here not the snow or the min," he shouted

In World War I be had fought with the Cortions, but his heart was in his native Sher-word Forest. "You miss the trees up here," he said wistfully, "If I was younger, I'd emigrate,"

Presently his wife returned from her shoppe expedit a rection to the sale of the ber-lovely back in surprise to find a visitor in her lovely kitchen, for few came that way over the abandoned road, save the ghosts of dead and gone postilions.

I waiked on for many miles, uphill and down thale, after pressing Cold Echte. The little inns in this neighborhood are mere road-houses and do not cater to overnight visitors. At last I was abliged to take the bus to Hud-

dersied to find a bed.

Next day, again traveling over the tops of high bills. I crossed a corner of Cheshire and looked down upon the reservoirs which feed Manchester lying in the battern of the valley. Beyond them lay the high platern of the kinder Scout in Derbyshire, from which the Pennines decline gradually and the green plan of central Ungland and roll to a stop in the Vale of Trent.

Where Lendy Walton Fished

Derbyshire's loveliness is one of high bare bills, hazy distances, and steep gorges. Through its purpose lunestone rocks water sucks away, bubbling up in deep subterment caverns and lead mines which were worked by the Kunana. Its three rivers, the Derbyshire Wye, and the Dove—beloved of Izaak Walt or—are famous trout strans

I spent a week walking through Derly shire, for I had now traveled nearly halfway to London: and felt that I could draw breath the Derly-shire folk an wed gratifying sutprise when they hear I that I had walked from beind origh but one woman looked at he in consternation and cried, "Whatever did ye do that for, dear? Did you miss t' boos?" (Page 175)

It is around Derbyshire that folk begin to call ore "dear," and they go on doing it all through the kindly counties of Stafford,

Warwick, and Glaucester.

Usually I was asken what kind of shoes I wore and if I had kept to the same ones. I had, but the Pennines bad ground down my heels, and at Chapel on he Frith I had the shoemaker put on new ones whilst I wanted

tild customs survive in Derbyshire, nested in the deep heart of England. In the during tour of the comfortable King's Arms at



the Long line of a Rope-making Land to Has Worked Here for 300 Years

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Correct the respective feathern for the feathern feathern

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All place to the parties of long place and a parties of the parties of long place and a parties of the parties

A my read in the morning while it is vet a test to a twites. Can no Stephen I Caiger of Whiksworth in his history of well dressings), the completed picture will be beautiful of the formulation of its creation to the formulation of the hard in position. It is a more of the formulation of the proof in position. It is a more of the place with water, the tres mass and the plory soon fide, and wurning levels are the work of constantiate at 1stry so laboriously and skillfully put together is taken down and. Scattered to the works

Beston's medicinal waters are used in the cure of thenmatism and were known to the Romans. The thermal waters issue at a constant temperature of 82° F., and are shough

in radioactivity.

I found Mary Queen of Scots—and her descendant Queen Victoria, alread of me when I walked over the hills to Castleton and descended the famous blue John Mine, the only place in the world water this lovely bluish purple spar, topasare there, is found in sufficient quantity to repay the cost of working. It was probably discovered by the Romans whilst they were searching for lead.

Where One Family Has Made Rupe for 300 Years

In the vast mouth of Peak Cavere, which functionels the rock to which Feveril Cast eroins cling above the village like an eagle's eyere, a solitary representer, Mr. Hugh Marrison, may still sometimes be seen working at his ropewalk like his fathers before blue.

The Marrisons have had this novel workshop tent-free from the larkes of Devenshire for 300 years. The moist attacsphere of the

cavern is suitable for their ctaft.

When Queen Victoria visited Peak Cavera, the had to be on her back in a flatbeat, which the guide pushed across a subterrance of waterway. I ruminated on this tituscul picture of the Good Queen as I crossed the hills of this ancient royal forest to the little village of Feak Forest, which was core England's Green.

Its present vicar, whose former charge was at Daws as in Yukon Territory, let me handle the interesting wooden seal, deting from 1661, of the Feculiar Court of Peak Forest

The vienes of Peak were his principal officials and judges, having power to grant marriage licences and to marry they persons applying "from anywhere at may time," for this church in the toyal farest had its own jurished in. An average of 60 "foreign marriages," as they were called locally, took place every year. The seal is still used on marriage lines es granted by the vicar of Peak Forest.

From here I went on to the famous lies cack lan at Rowsley, a fine matter bouse built in 1952, which is now a charmony boack. Here I spent three nights, for it has within a few nules of Charsworth on the Ferwent, the palatia, residence of the Duke of Devonstate, at dorf still levelier Haddon Hall on the Later at Max.

The homertal love story of Dorothy Ver-

days of Elizabeth whilst Dorothy's sister was helding her marriage ball, draws visitors from all corners of the globe to Hadden Hall.

The ideal Larmial massion was recently restored by Dorothy's descendants, the Dakes of Rutland who occupied it 15-1939. The door by which Dorothy slipped at midnight into the garden, and the little packbridge over the Wye where her lover, disguised as a forester, walted with the barses, is still seen

Neither they, however, nor the yew trees in the terraced garrens of Haddon can be compared in age with the great yew of Darley Dale churchyard near Matkock. It took me 45 seconds to walk at average speed round its enorms as girth. For possibly some 900 years its branches have sheltered the some of the countryside. New they spread their benison over tablets commemorating Lattles of World War 11

On April 19 the suckoos note floated over the gastey damson blossom as I approached the pleasant Stations-bire form of Uttoweter. I had come 14 miles that morning from Ashborne, Derbyshire, which figures as "Oakborne" in George Edict's Adam Bede.

Repairing early to its fine up on the day morning. I was rewarded by the unique sight of eight ringers ringing their changes in the changel in full view of the assembling congregation. The sight was one seldom seen in England, where ringers are usually content ed. of the tower?

In the Fontsteps of Bossvell and Ur. Johnson

At Ashbaume I picked up Dr. Johnson and Mr. B ewell in the time-mellowed and comfortable hostory of the Green Man and

Black's Hearl Reyal Hotel,

A very good inn," said Browell in 1777 ordering his post choice there. His hostess (Mrs., Killingies), a relighty civil Lentle-woman," curtisled very low to the Scots gentleman and begged for his continued patrottage, for Browell had just been staying with Dr., Johnson as the guest of Mr. John Taylet at the Mansian a house of importance.

The solut shadow of the lexitographer, whose birthplace was Lichfield, stretches also over Littoxeter, where his father kept a bookstall. Here in 1777 (as a menusial a the market place records) Dr. Johnson stood for a consilerable period bareheaded in the tain, doing penance for refusing one day in his boyhood to keep the stall for his father.

Mary Hawlti, who wrote The Spider and



Pengera Marke, Prays over a Son She Bear to Death for Spilling Ink.

n goes the legent assumed to be the lott conting of by to the of the lotter of the conting of the first term who have the disconting of the conting of the conting of the lotter of the conting of the continue of the continu

In I's was a pating of Cit exeter "The way or I'm pustor" is now through a distormance of the contractors.

through goen byways I walked on to falsh feld, the case of whose graceful Cathedral of rad sandstone are reflected in the calm waters of the Minster Pock. Let Johnson's buge statue inc. as is butth race in the like I pricted in thoughtful mood, and a hand, so acceptate as if butting a term is a page 1871. Behind him is a more recent cfras of his I page 1871, an alert perky looking fellow in period costume.

In a first of open for considence sales. It is also and cursed its inhabitants. A century later in the Three Crowns had curse the same spot, Dr. Johnson praise than as "the most school, decent people in England, the generalest in proportion to their wealth, and spoke the purest, Fuglish."

A little way out of Licture of a deserted canal and followed its gris in an

A sea of the part has been been as the part of the par

towpath for some distance, meeting only ducks and a brown spaniel. At Atherstone gady painted burges were loading coul for London. They would reach it, said a stout woman in a calda full of twinkling brass, in about four

days (mgg 195).

I laid blistered both feet tacher badly in a wet walk from L troveter. The sixt tof this woman slipping gently toward the metropolis at some four or five miles an hour, her test dangling comfortably from the couming whilst she imbited a cup of tea, was alluting; but though she waved the a greeting, she did not invite me to join her. I followed the towpath till I came to Nuneaton, where I exchanged Dr. Johnson's company for George Elict's.

Noncoton lies within the industrial area to of Coventry and Birmingham. All hotels

wiche ball

A Vivit to the Mill on the Floss

"When in docast, ask a policeman." Is a sound maximum Britain. Lasked, My bobby districted me to the police stations but, on second thought, "Want a bit," he cried. "I'll come with you myself,"

A few minutes later I was interditted to a sind landlady in a back street who called me 'deer.' She knew all about the was Eliot and was able to threat me next morning to the Mil on the Floss. It will retains this

ennie, though the wheels are now silent, American scholars have written many studies of Mary Ann Svans (George Hist) and het work. I found the present tenant of her birthplace at South Farm. Arbury, which I reached by a field point from the mill, very et thusiastic about the American soldiers who had your her way during war years.

A large military camp still stood in the word beside George Phot's obelisk, on which law a wreath of withered laurels from the

birthday celebrations in November

A mile beyond Athary I saw the blackels. There they were, shimmering fise water in the dappled sunlight below the trees. "On!" I cried and knelt to smell them. When I got up, the keeper was booking at me rather almay, his gan across his shoulder, for the roud I had come was a private one for mili-

they persons only.

inter with the nine days' queen, Lady Jack Grey, who preferred rending Plato to following the hour, and whose head was cut off by order of Bloody Mary in 1554. During the was the castle suffered from military occupation and was now to let for the modest sum of \$6 weekly. The gardener's wife sacwed ne over the beautifully paneled rooms, where

the soldiers had played darts in the wansset

I hy-passed Covertry after a long wallt which brought me within the boat dary of Lady Godava's much-bombed city, and then carried me out of it again by a speedway where countless cars were being exercised like race horses. They all bare export labels, for it to an entitle of countain for it have to write for their new cars.

I taked that night in kepilwarth, in the King's Arms where for Wa ter Scott panned the first chapters of his famous remance. To make sure of my night's bedging in this congested district, I decided to stay in Kenilworth for three nights in a private home and walk to Caeltenham by last liments returning rath night by has. In this way I stealed backward from Stratford on Ayon to Kenilworth.

Because evening bases were often full. I took a morning one to Shakespeare's town, meaning to teturn through the out city of Warwick in the afternoon. I had recknowld however, without my host. William Stakespeare himself, who, quall in hand, from his quiet niche facing the alter of Holy Trinity Church, dominates Stratford (pages 189, 191).

I was probably the only person in its bepaged streets that brilliant morning who bud quite forgotten that St. George's Day was

nist Stakespeare's birthing

On walking tours one is apt to lose count of time. Inocally my guardian angel had been mure thoughtful and had landed me in Strational on the very morning of the great cay of

its year!

The birthday relebrations began at three, it was ambinked to start on my return to kemisworth before the international procession set out, headed by the mover, to visit the poets birthplace in Henley Street. The house is now national property in the care of the Trustees & Guardians of Stakesperre's Birthplace.

This trust owns many other pri cless relies of the poet, including the only surviving letter delivered into Shakes, mare's hand. It was written by his friend Richard Quyney, from the Bell in Carter Lane Lendon, on October 25, 1598, and requests a kinn of £30 in view of Polonius' advice to Larries, one wonders if the poet compiled.

All the World Honora Shakespeare

The sum blazed, the white clouds lid lowed, the frumpeters trampeted, and out flew a hundrer flugs of all aunds, from Argentina to Sot at Russia, from America to China, in electrons trummity. Shake-peare had succeeded where the League of Nationa had faltered!

In the mayor's processing I saw two lesi an adies in blue and gold same, a small Chenese in white timesers carrying a very large wreath, the American and Sov et representatives, and

bring other overseas visitors,

When I found the way to the quiet church on the Avan to Lid Shakespears forewell, two American soldners stood there silently lockless up the poet's grave without the alter tails. Its sole decoration was a sprig of gray cosemary tied with a tilibon of There's resembry, that s for terms brance," Through the stained glass the sunght fell gently on it in three great parple splashes,

The Vale of Everhan is a market garden, In spring, when the orchards are dripping when the orchards are dripping who plant a whapple however, it is one of the

beauty space of Europe tage 1801.

Beyond Everham the Cotswolds rise out of the hate, and a couple of miles to the southeast Peneirpe Washington, daughter of Col. Elemy Washington, has been saleep since 10% to er the "stars" and "bands" of the latinous family's cont of arms in the beautitud old church of Wickhamford. Penclope, who never marned, had the good sense to spend her days in this chirming Cotswold vidige.

I entered Cheltenham wedged to her tightly between two Forest of Dean gentlemen who had driven a "prefah" to its destination and were return as for another. After I accepte it the life they offered, they dop sited me on the outskirts of the elegant spa which became fashionable after George II, drark its waters in 1786. I wasked to the town center through magnificent public gardens and found a rookery is the caestant these which line the fam us Promer de.

The tiwn is an elecational center for both sexes. Its great Cheltenhau Lacies' College, founded in 1854, one of the largest gals' marding stames in Britain, had 700 toan ers and some 50 day pupils at the tone.

અ માત્ર જાંબંધ

When I returned to Cheltenham Inter. It was test the college by courtesy of its principal, Mess Margaret Evelyn Pepham, a lady who has traveled much in the United States. She commended the National Grouparite Magazine as of tarivaled see graphical value for her pupils. We found them, a gay and color-intersectly in their soft-green school fracts, in the lovely qualratigle amid the Rowers, enjoying their "elevences" (morning tea)

On my walk from Chellennam to Chellennam to Chellennam I passed the Seven Springs, which Cheltenham Jobs hold to be the sounce of the Thames. The springs rise in a pend by a road which borders Seven Springs prepara-

tory school for girls recently founded by two mistresses from Cheltenham Ladies' College. A week later, seven of its pap is deligated in representing the geni, of the springs for the Nartusan Generality (page 170)

The Circucester folk claim that the written

of the Thumes is nearer their town,

It was a lelential walk to the old town through the Colaw his, past the golden-walled farms with their store they desped in brown velvet moss, wistatia festioning the octer walls. A hedger was at work and the blue-bells, layering the bedge in the expert fashion of the West Country by cutting half through the steps. This craft is now a rare one, and his services are name in demand

Real Birthplace of the Thumes?

Scarrely had I passed him when a corstopped beside me and a commanding voice said "Jamp in". A policeman sat in the back seat. What could I do but obey?

Seven miles later I was set down under the aged that h tower of Chencester, a town which the Romans called Cornings and Slatkespeare Cicester, but which the parties

produce as it is spelt,

Next morning I set out to discover Thomas Head. A few miles out on the Tethning road a country would not to follow up the field till I but passed two copses and then look for a tree marked "IH," Apparently there used to be a tablet on this tree, but someone—perhaps from Chaltenbarn!—has removed it.

It and so thy as it used to be up there,"

The low've been cutting dawn the

Surprisingly. In this age of variablish they had spared "TH," an aga tree ander which I found a small depression files: with stepes

Poor Father I haves! He was as dry as a bone. I prefetted bevon burings, for at least there was water in them, But a man burning brush near by told me the channel was ful in winter and that in summer the water ran underground, coming up a few feed off, where there was a pump and wend-mill.

"If you ask me." he added, "that's the right source of t' Thames. It man be where there's water all the time." •

A week later I penetrated with Mr. Stewart and two youth hosteless to the field with the wardnill and found a surable brook there. It

Time and like on the Thames," by his lettle him part february. Low; and "Through the Heart of him and in a Canadar Capac" by K. J. Evans, May, 1922.



Beside bather Thumes Stands the Mictier of Parliaments.

Probability of the solution of

aubided and of a purel covered with white with an accules. Here at least was the could are not of the storied river which would results toy with ocean liners. Solemnly we all their hands are set 11

the partie of the present stages give the second stages of the second st

Long in out to lambon from Earlord.

It is removed straight. I felt that matters were warming up when I saw this heartening up.

The first law on the Thames is near

the Trout Lan by hand of I remained at Lethlade for two was walken, to me that I wanted to Lethlade to sleep at its comfortable Crown Hard. The are said \$8 river miles between Anapha for and Richmond, and I had only three which to cover them. Could it be only a continuous to but is:

showed me how No L. of the state of the years ago from teaching we work with the trown & Thistle when I returned from Abungdon. He too had just

discovered Thames Head and was on his way anck to London by the towpath, which he solunteered to show me. That was how, here morning, we met Captain Catha at Sandford Lick, three rules from Oxford.

Captain Gibbs was taking his company's pleasure steamer, the Chreche, to Windsor, a two days' trip, to cold for the summer

cruises which becan in mid-May,

My overworked guardian angel had spotted him leaving Oxford that morning and had armoged that our arread at Sandford Look should colonide with his. There stood Consider in the lock, sinking slowly as the water chird, her dock a forest of empty and arviting seats

"Will you take two passengers?" we cried,

hardly during to hope.

"Step in," said Captain Gib is as the vessel

"Strolling" by Bost Last Lap to London

We stepped. After all, one can stall stroll to London on a pleasure craft at a leisurely four or five knots. Luxuriously we watched whist history wafted past.

Waft," said Mr. Lundy, "is the only word

for such motors as outs to

Manshins and villages, orchards and tapering poplars were reflected in the mirrorlike
stream. Sometimes a kisarchy beton dapped
rast, or a swan salled out from the reads.
There are 11 locks between Sandford and
Reading, where we ned up for the night.
I found palatial quarters in a balconied room
overlooking the river.

opinally triangular. We were the first boat of the year, and Captain Gibbs was the most papalar of captains with lock keepers and their wives. Down the long straight regains course of Hendey we sailed to Bisham Aldrey, which lienty VIII gave to Anne of Cleves in compensation for desorcing her. Lucky Anne' (lage 195.)

In the Temphars' courch baside bisham Lady Hoby kneels in widow's weeds on her wonderful tomb, her infant son at her feet and other members of her family at her back

page 2000

Pror Lady Hony! Fate has bidted her capebook indelibly, for tradition has it that she charthed her young son so severely for that ng his that she caused the child's death. Whether this be true or not—and the infant on the temb seems much too young to have died pen in hand—her ghost still walks at Bisham, preceded by a basin in which, like Lady Marbeth, she washes her hands.

Whether the basin is filled with blook,

water, or ink, history does not relate. This strange story was correctely constrained in 1840 by the discovery of some badly blotter copy-books behind the wayrent of her room.

We fied up for longh at Marlow, whose quiet backwaters framed for Shedey's "lone back a lone retreat" when he was wraing

The Revolt of Islam.

Beyond Marlow lovely Cliveden is screened in trees. La 1942 the estate was generously presented by Viscount Astor to the National Trust, a fitting gustonian for the mansion where "R de Britannia" was first sung.

Relow Cliveden we came to Bray, thousassociated with song, for here lived Simon Aleyn (1588), who turned his coat thrice to keep his living. But who could blame him for resolving that "whatsoever king shound reign" be would remain in this sequestered and lovely retreat? (Page 196)

We rounded a bend and come rather subdenly in sight of the gray pile of Windson Castle, spectacularly floodly by a freekish sunshaft. The spire of Et of Chapel to-cover the "playing field where the Battle of Water-

Inc. was word.

The Clipsdess went no farther three Windsor, and I said good-bye to our kind nost, wedness him ' Happy holidays.'

"I don't think I've ever had a holiday," was the sample reply of this hard-working

Thorney navigator.

I slept that night under the studew of Windsor Castle. Next morning was May Day. I had still some 20 miles to go past Marna Charta Island and through the field of Runnymede, both National Trust property and the most famous places on the Trustes.

Here, in 1215, baving submitted perforce to his barons entamped in their might on the greensword, King John was forced to sign on the dotted line, and the sundard of freedom:

flew for the first time over England.

King John bitterly regretted his act. According to Holinsher, he "rursed his mother that bare him and the har in which he was burn, . . . He whetted his teeth and did bite now on one staff, new on another as he wasked and oft brake the same in pieces when he had done."

My walk virtually culed upon Rembymede with Kong John. His vexed shadow seemed to follow me when, taking bus from Kingston Bellar, I alighted by the Houses of Parkiment just on time (page 203). It was 3 at by Big Ben on the afternoon of May Day. I had kept my dite.*

* For additional articles on England and Scotland, see "Next NAL Grandenic Manager Completion Index, 1808-1944."

Switzerland Guards the Roof of Europe

By WHIMM II No. 1138

H. & Low Hallow by Nature Good of the Programme Walnet R. Cotter

NE summy Sunday afternoon in April.

Circular ring on the gastle hill above the town of Samen. They wore their somber Sunday suits and black buts.

krom the window of an old clithhouse behind them I booked out over their heads to the raised platform we all were facing. There alongside a medieval church, sat the olders of the community. A few were in tractional throing roles denoting cantonal office.

Obscalden, one of the two hulf-Contons of Unterwalden, was holding its annual Lands-concinde (Country Council), reminiscent of the formus of ancient Greene or Rome or the town meetings of New England. Here were revealed the roots of Swiss democracy.

Any male of the CI don over 20 years of age might have his say on public issues, and could vote for his cantional officers and the measured to firm, the Swiss capital, to represent him in the Federal Government, beyond the raped off ring stood wangen and children, vote-less spectators at the annual event.

"Showing of Hands" Decides Issues

In issue was debuted in Swiss-German. The presiding cluser put the question. Most of the men raised their hands to your "aye." The measure was passed

In the year the Magna arta was signed in England,* the three or a ral Swess Cantons, of which Obsculden was a part, were voting by this "showing of hands." When feedal lanes ruled most of Europe; later, when Napoleon was hallding his Empire, am stall later, when Hitler was foreign totalitatian rate on all Germany, the basis of Swiss government antiqued to be the "showing of bands"

Focas in most of the 22 Cantons free el.
This with secret billet, right of petition initiative, and referending take the place of the cantonal council. But a Glurus, Unterwalden, and Appensel, the conneits are field each spring on traditional spots where they have taken place for many centuries.

This Swiss tendency to welcome modern ways but still cling to tred traditions results in many contradictions.

time they in Geneva (Geneva) I was sitting at a table of a sidewalk cafe when the moon-time whistles blew. I from stores and dives people poured forth. They converged upon an open space where a handred of more

bicycles were parked. In a few moments they had je red a go wing stream of pedal-pashing traffic

On tridges across the Rhone, flowing from Lake of Genera (Lac Léman) through the heart of the city, truffic soon because so concested that motorists were slowed down to a crawl. Geneva, en masse, was going home to dome nod would not return until 2 p. m.

Dinner in the Evening? Absent 1

A few days later I asked an industrialist about the survival of this custom among an alert, hard-working people

"Many manufacturers won I like to see the practice abandoned," he told me. "Feople out come to work later and up home earlier if they would adopt a brief black period. They might be more efficient."

However," he added, "there isn't the slightest chance of a change. The Swiss prefer to take two hours for clamer at midday, and that's that."

There are ment other to double hous.

Switzerland is for from the sou. There are justified femarks about the Swiss navy and mutaisted Swiss admirals.

Yet this iniand, mountainous country is famous for its manufacture of huge Diesel marrie motors. The Dutch ocean liner Oran, a is powered by three Diesel engines of 12,300 lausepawer cach, had, in the industrial city of Winterthor.

The watch industry employs 50,000 persons. But in 1949 Swiss machinery exports were of greater value than exports of watches. Swiss heavy machinery goes all over the world

Swass-audt Diesel engines provide the power for a big Shanghai power plant. Many Swiss Hiesel become tives and radway cuts operate in South America

Switzerland imports virtually all of its raw materials and have quantities of first. Fivery year it buys more than it sells almost. It receives not a cert in Marshall it in and. Yet swiss exercisely is the strangest in Europe. By northering its important to most trade and by making wise investments allowed, Switzerland keeps its backs balanced.

* See "The British Way," by Sie Evelyn Wrench.
National Geologymus Macazine April, 1944

* See "Sweet Cherlah Their Ancient Liberties," 21 if ushigt one, National Glorianian Machine Machine, April 1981



Carved in a Glacier, 45 Feet Down, This Sharing Rins Never Meles.

the term of letter uping for the minute the rate attended ways and attended to the formal attended to the formal attended to the formal attended to the formal and a substitution of lattle more than 100 years. Nearly half its consecutions and employment in proceedings and employment in proceedings.

The Countries Hem In Switzerland

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Between the Alps and the Linus extend the count sa the number from Lake against a first of Constance of Logice 8.

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Of the Topological Switzerland, 72

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Heatless Sinve and Tareless Plant Grace Cres at Palice

of the other constants and the state of the

A line of the property of the second of the

Here, the nation's capital, also is the key to the famous Errorse Alps, including the calchested faliginan, 13,668 feet above Scalevel (page 230).

Mare than 750 years ago Berchtold V. Duke of Zahringen, form ed that a powerful stronghold against his cusmies

Hern's Symbol Is a Bear

Rem is derived from the German would be best. According to begend, a bear was killed on the spot when the city was founded; hence the figure of a bear appears on the tawn that and in scores of decorative a orifs. Famous

i popular pro li me historic bear pits, as l d - overeri on a bat red a morning stroi

4s I approached, it seemed to me that all the children of this circle for 130,000 had continued bear peal upon peal of children and ther

trace their besters less than the continues. About the only thous a Bernese has to a sabout Napeleon's vasion of Switzerland is that he track the bear population of Bern to Paris with him.

toern praisetsle resins its me l'eval char acter. Graceful arca ca lank the streets of the mainers district, a co shoppers on a co l, ca page 2401.

I a wreter sire and from centuries old monumental fruntains in the center of busy THE PROPERTY OF THE a to the figure of a hagpiper, another a rommance, a third at archer, a faurth bluet and Justice. (1) multiple carved lags ath dance so ther Most firmous of borns fearthin status 1 J of an ogre devouring a -mai chible

With the little of the little of the figure of the history of the his

Florentine-style Federal limitations in the Switch that the companies with the state of the control of the Charles of the Charles

the flater, much of it imported. It is at heart to the flater to the attention to the state of the point of the state of t

runtarial Seeses maded at Jure

one of the most popular makes of autamentales is the little German Pour again, amenally built by the Nazis and now in termal; Popularity of small cars is not carnising, with pasolne at 50 cents a gallon!

In Itera keeping streets and sidewalls -paties is a matter of civic pride. Late from probate difficulty at large their best test when bousey as I gin their rug beating.

Retar gres to work cally. Coverament of fees open at 7:45 a in the wind of the interest of the ing time is \$:45 p. m. In spring and actumbs.

Recently the school authorities therited to hange the starting time to a liter book by were forced to reconsider when the protested

To get their he as work done then attend to marketing und peapage that big mounday not, it is said to be resulty, they are be a page to say to school to be a way to school to

On the or t-kitts of Bern one morning I varied a cheese processor company, when the finest of Emment der or Ga yère cheese is table but to manufes or processor is report (page 24).

New Tracks of the Cheese-making Trade

The basis is lasted variety to keep a coast of the terms is salited variety to be a made of the basis plant, the basis of waters support great in the Lastes, i saw there with barn that into its last or ent cheese and 30 persons by his effective a combination water is not in the basis of the grown Lieuten water in the lastes for a com-

the Oron drine plant is a few miles from there. While a mame changed to Ovalting,



"We'll Settle for a Couple of Carrots"

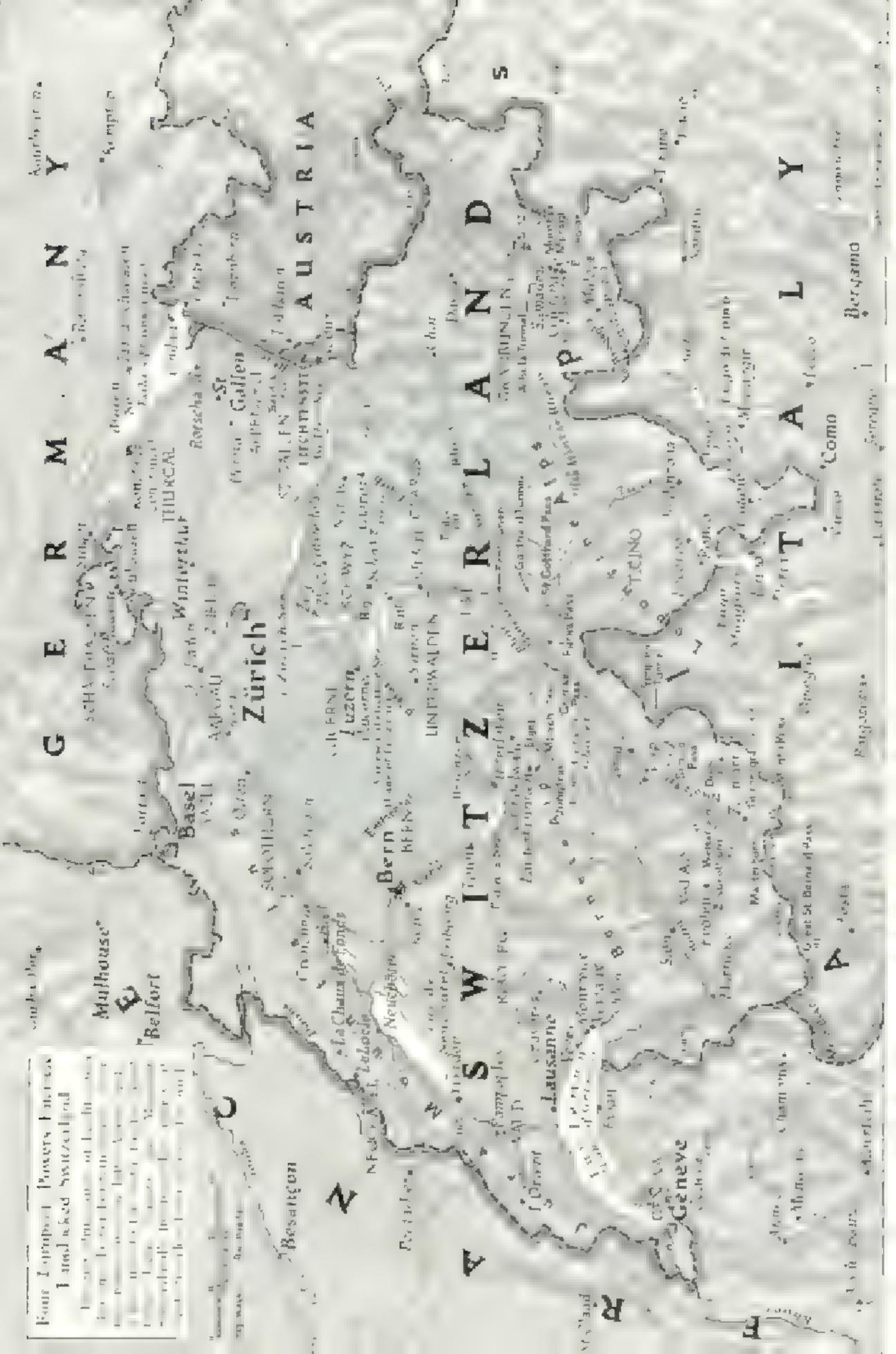
Rem is proud of its generations of city-owned bears, the awas capital's ma cuty for certains. Levery tells that the day the old fown was founded a hear was killed on the spot. Every fine alternable handre is of thi dren and grown appoint. The last of the day of the second strown appoint.

The state of the state of the little state. The drukt originated to some state of the state of t

One of my early sorties from here was to Interialized in the Jeruss Alps Is made the specialized and the region of the property that radioses.

The ascent by each it on Interlaken to the hamlet of whethe Scheineng, up the Lautet-ordinen valley, gave a foretasty of what was to come. As we clumbed, twisting into and out of tunnels, a chain of snow-of-tri-

"See "Annual First in Graye es." by Me a file Is-Greevenor, Natural George Price M - A C-





Parage's Highwal Hotel, Strinks at Same, fees to set the lay Base of the Sphins

The state of the last of the P. L. J. P. W. B. St. P. A A H I H II GALL Service of Section nd a med truly land in the state of th 1 1 I delice a contract in As State to sell 1 trick the climit Into the sale and I nelli man a la compania the state of the state of I what we have the braden beb a fut relation and residence 11 11 11 11 11 11 11 11 , , l · l · . . . Je laste

- North

peaks gradua by appeared in the background.

At Steine Scheiderg we changed to the Jungfrau Rahmy and began a steeper, cog wheel offinh. This line, highest in Europe, was begun in 1890 and completed in 1912 to Jungfra, loch, at a point 2,328 feet from the summit.

I wice the train paused so we could visit enclosed galleries for superb views of the valleys acked and the peaks amove. Then, at the end of a tremendous tunnel, we pulled into the undergraund station of Jungiraajoch (p. 211).

Europe's Highest Observation Terrace

Walking at this high altitude was difficult because of the ratefied are, but the vacw at the end of a stroll to the snow-sovered plateau of Jungianujoch repaid the effort. Then we retraced our steps to an elevator which iscended 364 feet to the summit of the Sphins, where we emerged upon the highest observation terrace in Europe.

Around us, perfectly at home aimd the stow and be, locks of ofpine chaughs wheeled and socred in the gold mountain breeze. These acts, telated to the crow family, lobal it toatty.

-mountains of northern Europe.

The ascend from here to the sumnit of the Jangiran in tran three to four nours. The ascent of one sister peak, the Monch, is han er; but most difficult of all is the near-by higer. Though the mountain was clinted as long ago as 1858, the sheer, almost unscalable approach up the north wall, the Eigerwand (Ours's Wall), was not conquered until 1938 (page 230).

The J mgfrau Railway is spectacular, but so as a goodly partion of the entire Subs-

Federal Railways,

Their electrification, began in 1907, is 93 percent complete today. When World War II cut off coal supplies to Switzerland, its people were thankfar that they had embarked upon this \$250,000,000 project.

In thritty Switzerand most passengers travel third class (about 94 percent in 1949); only one percent buy first-class accommodations. The Swiss lave to real about a high Confirmment official was once was encountered.

i freezit in a third-class coach

Why, see, how is it that you are ricking third chase?" the ast mished friend inquired,

"Come, now," replied the utilitial, "surely

you know there is no fourth class,"

In Lucerne, Switzerland's most frequenced townst resort thage 232). I promonufed with ham reds of other visitors along the quays looking out over the sparkling waters of the Lake of Lucerne (Vierwaldstatter See) to the Alps beyond

Rehlad me in a solid r w stood the lie hotels, famous for their views of the lake and the mountains—the Rogi to the east. Pilatus to the south, and the long ranges in the Cantons of Url, Schwyz, and Unterwalden to the south and east.

I rotabled through the streets until I came up a the Lion Monument. This commeno-tates the Swiss Guards who died defending Louis XVI and Marie Autoinette from the attacks of Revolutionary make on the

Tuileries in Paris in 1792.

Hewn in the face of the living rock by a Constance (Konstanz) sculptor, the figure represents a lum of collessal size, mortally wounded but endeavoring to protect to the last a shield bearing the flear-de-lis of the Bourbons. The figure is merored in a pool of the monument a base.

Steamboat trips on the Lake of Lucerne are legion. The soats penetrate deep into the acart of the William Tell country, where spot after spot is associated with the leaendary

been of Swiss in legendence,

But I was most interested in the meadow of Ruth. Swiss incepen lence was born there in 1201, and a dramatic event took place there darms World War II. This spot on the lake store bow belongs to the State and is a power of pilgrimage, particularly on Sundays.

In July, 1940, after Heler's armies had overcom Regium and the Netherlands, and and conducted I tame, the Swass learned through their excellent Army intelligence service that their turn was about to come

Switzerland had mobilized al. Its manpower to maintain its pentracity. It was prepared to

resist any invaler at all costs

But the shuttering impact of the Hitzkrieg on stronger nations had had a pronounced elie t on Swess morale. In some quarters, both civilian and military, defeation set in.

General Guison Restores Marale

Then Gen. Henri Guisto, remounder in thick of the Swiss forces, on the eve of the threatened attack, on July 25, 1340, sunmoned every high-ranking order of the Swiss Army to the Rutli

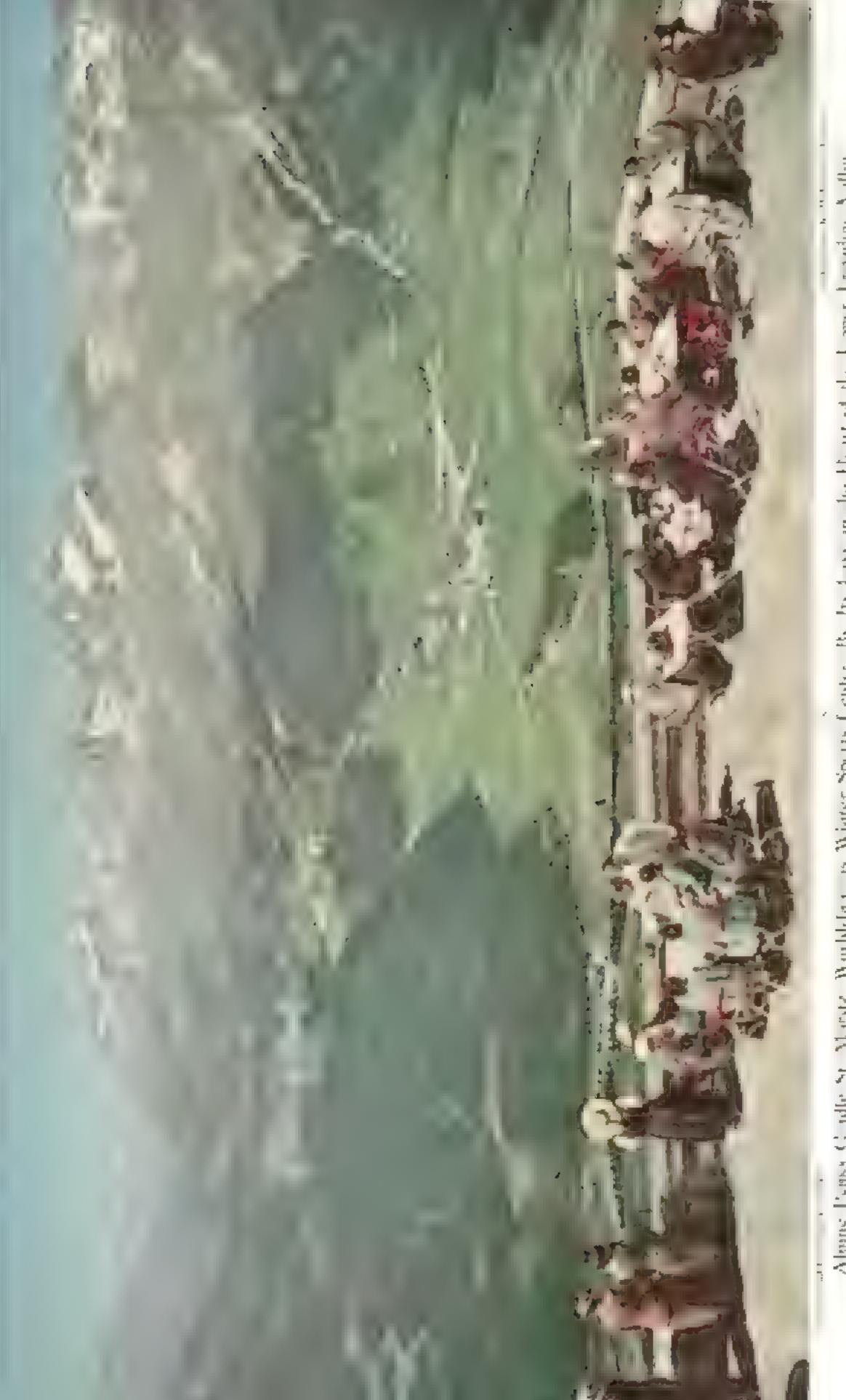
"I have decided to assemble you in this less which spot, the armide of our indepent once, he talk with your as soldier to solder," the General told them

He outlined the military situation, warned his officers against listening to the disk former or al-intentioned, and couclyded family:

"On Angust 29, 1939, the Federal Council ordered mobilization of frontier troops, then total mobilization. It entrusted the Army with safeguarding our secular independence.



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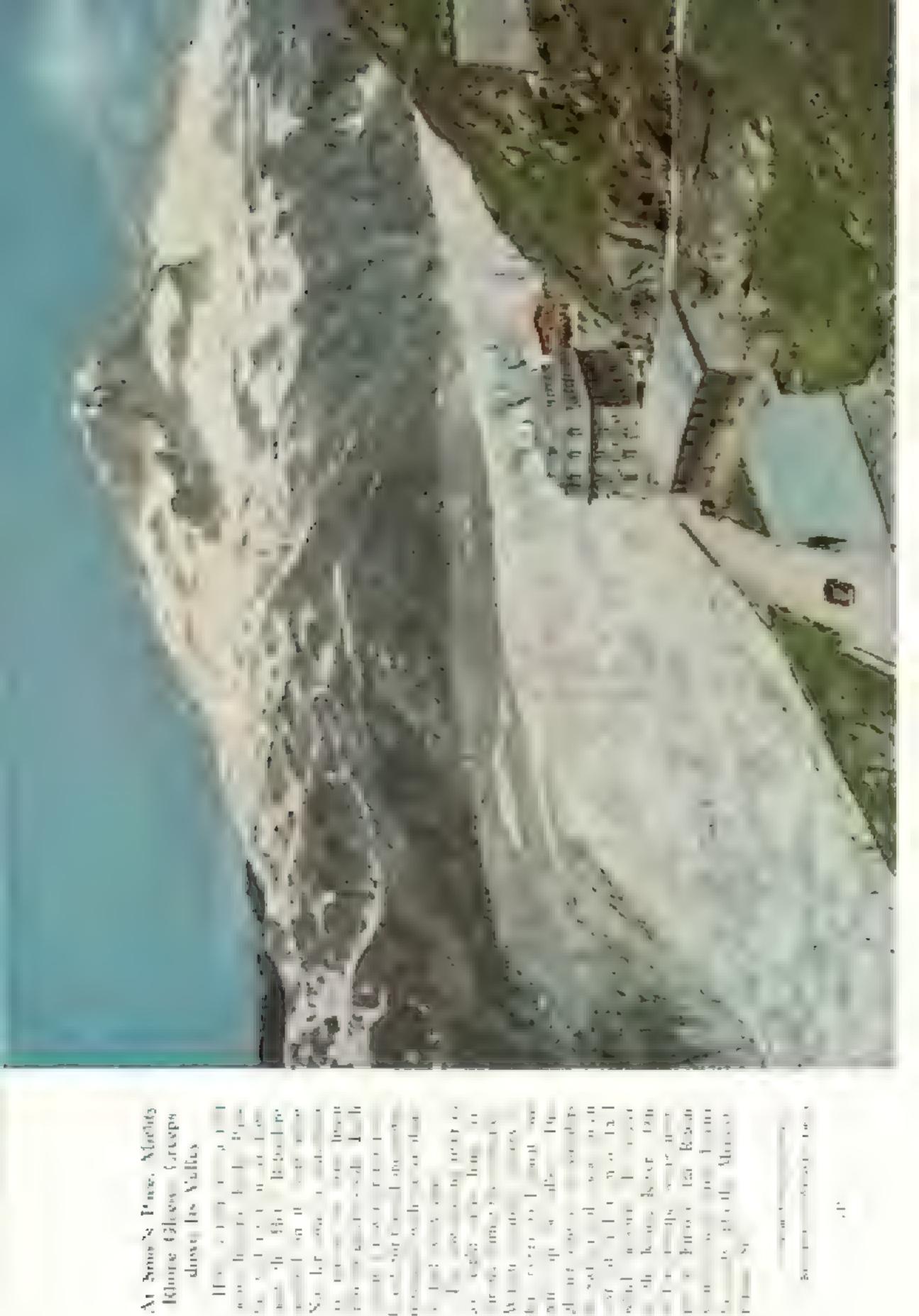


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and Their Cours Paracle to the Monorans for the Summer Fash, in June 1 Investors and re-Sould refrance laboration which a terms







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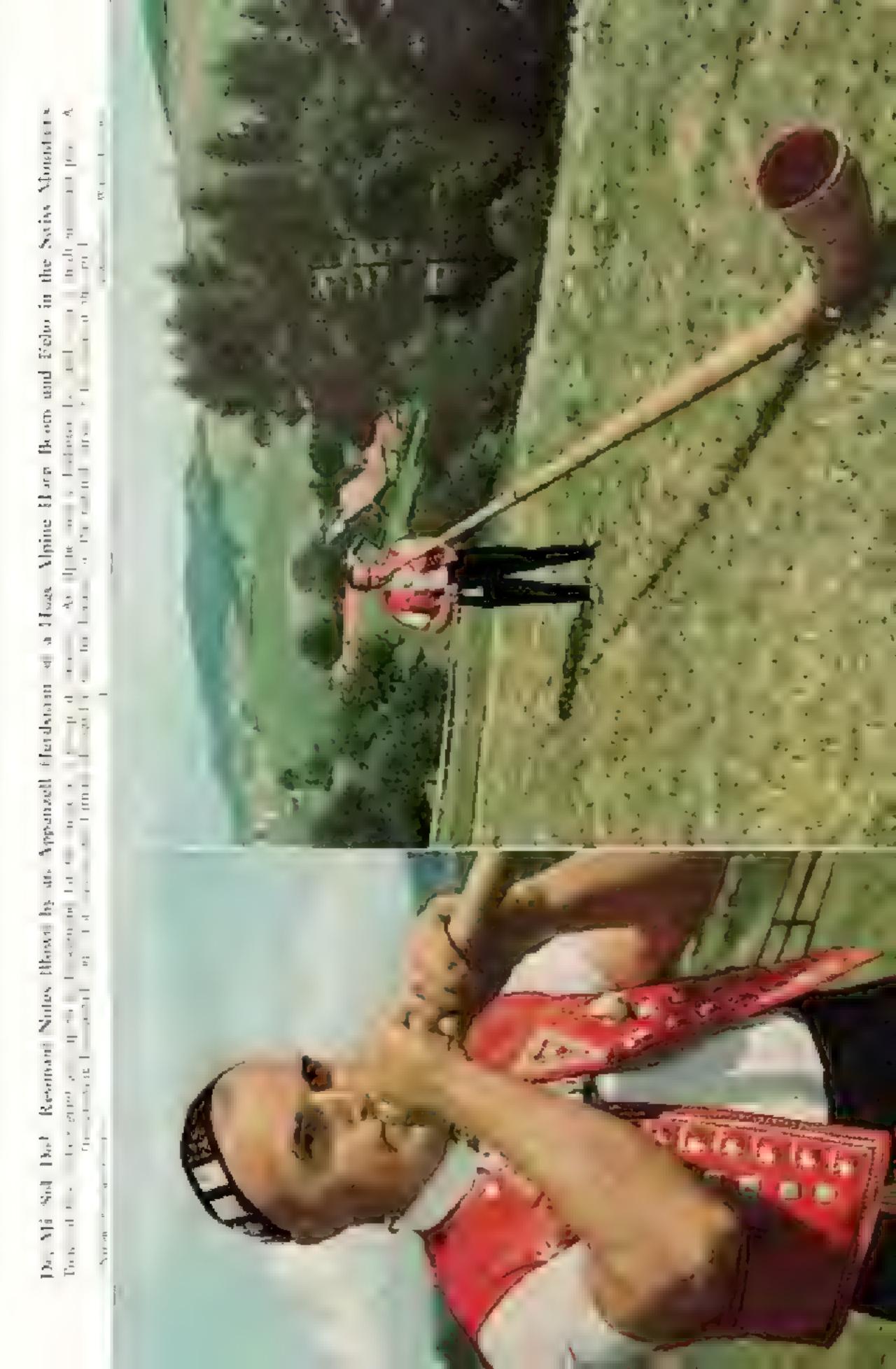
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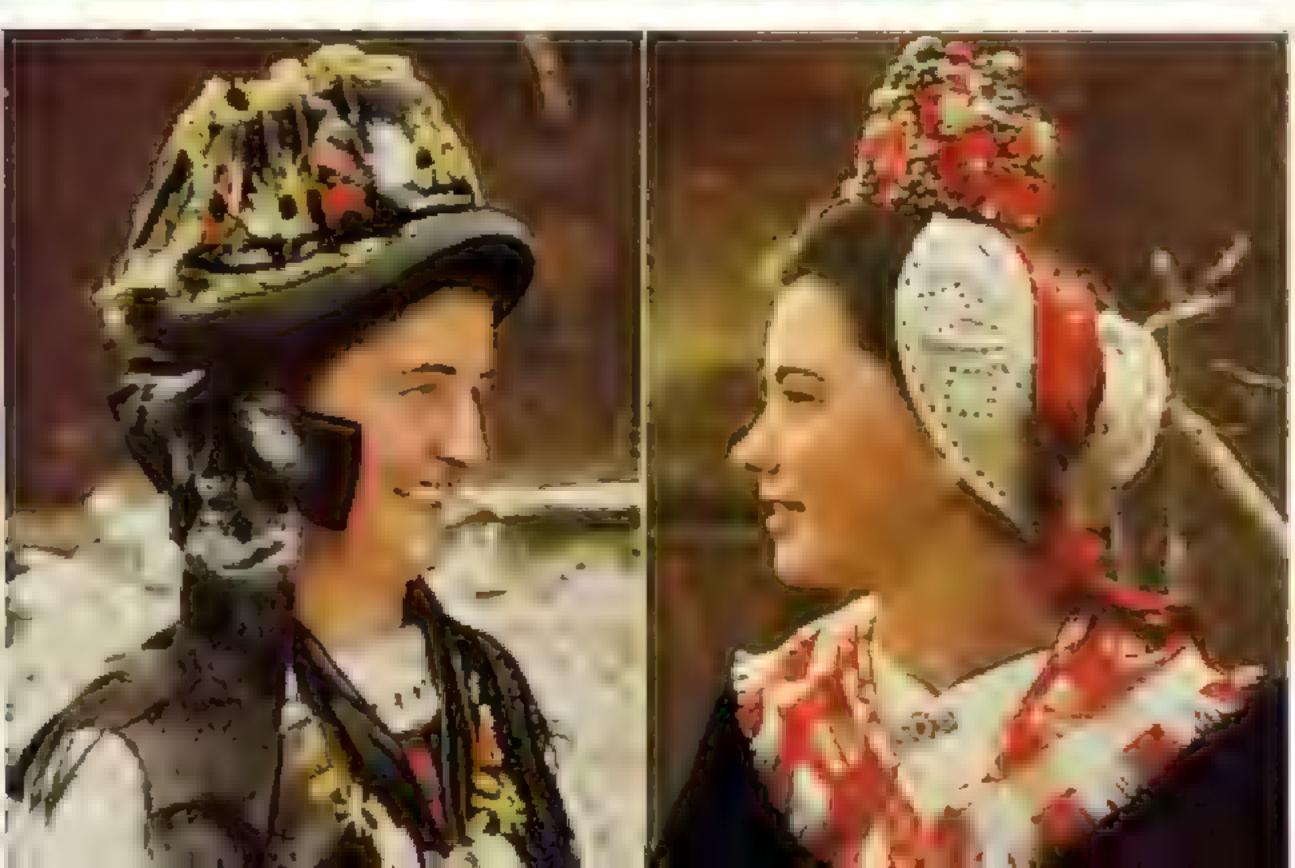
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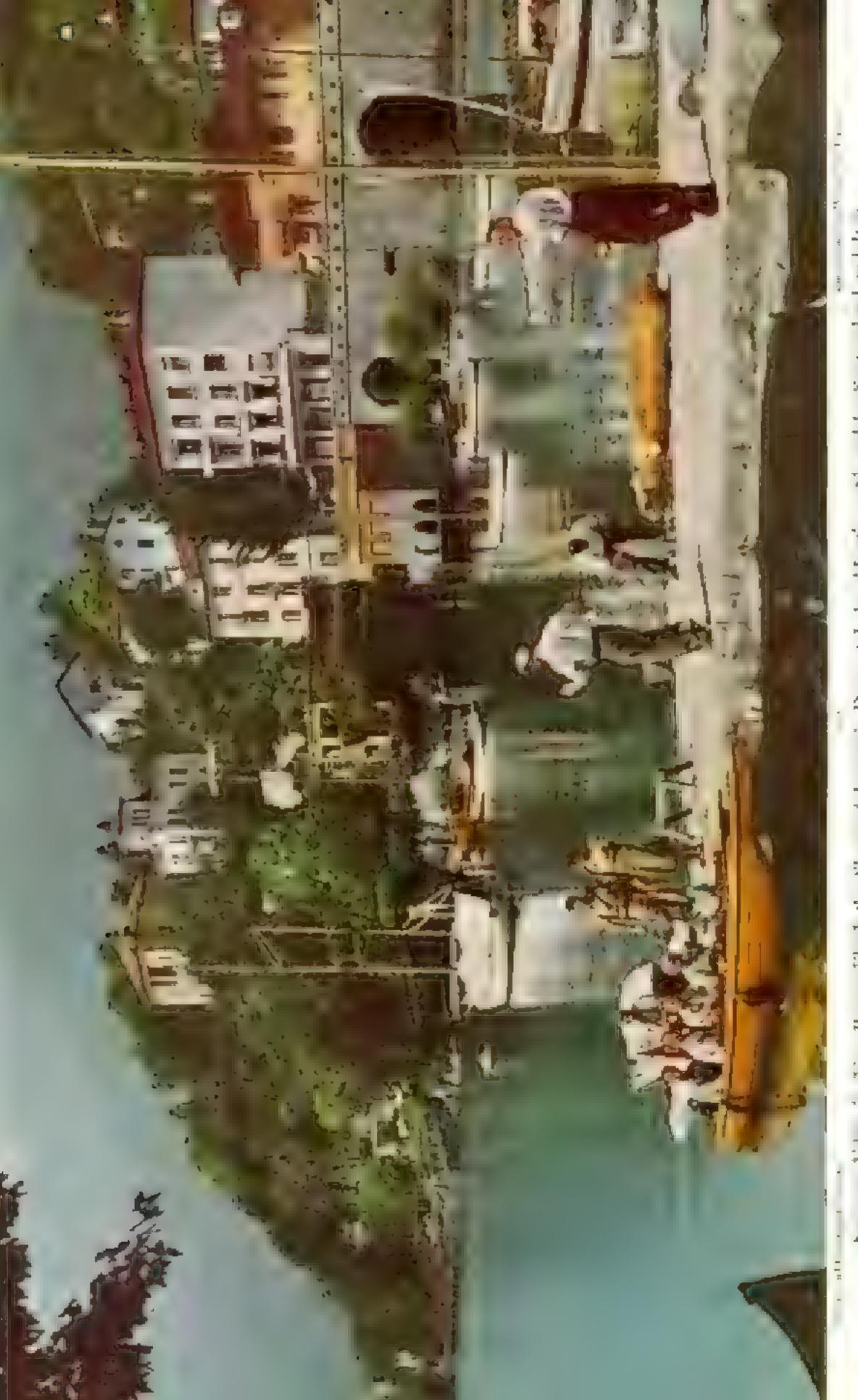




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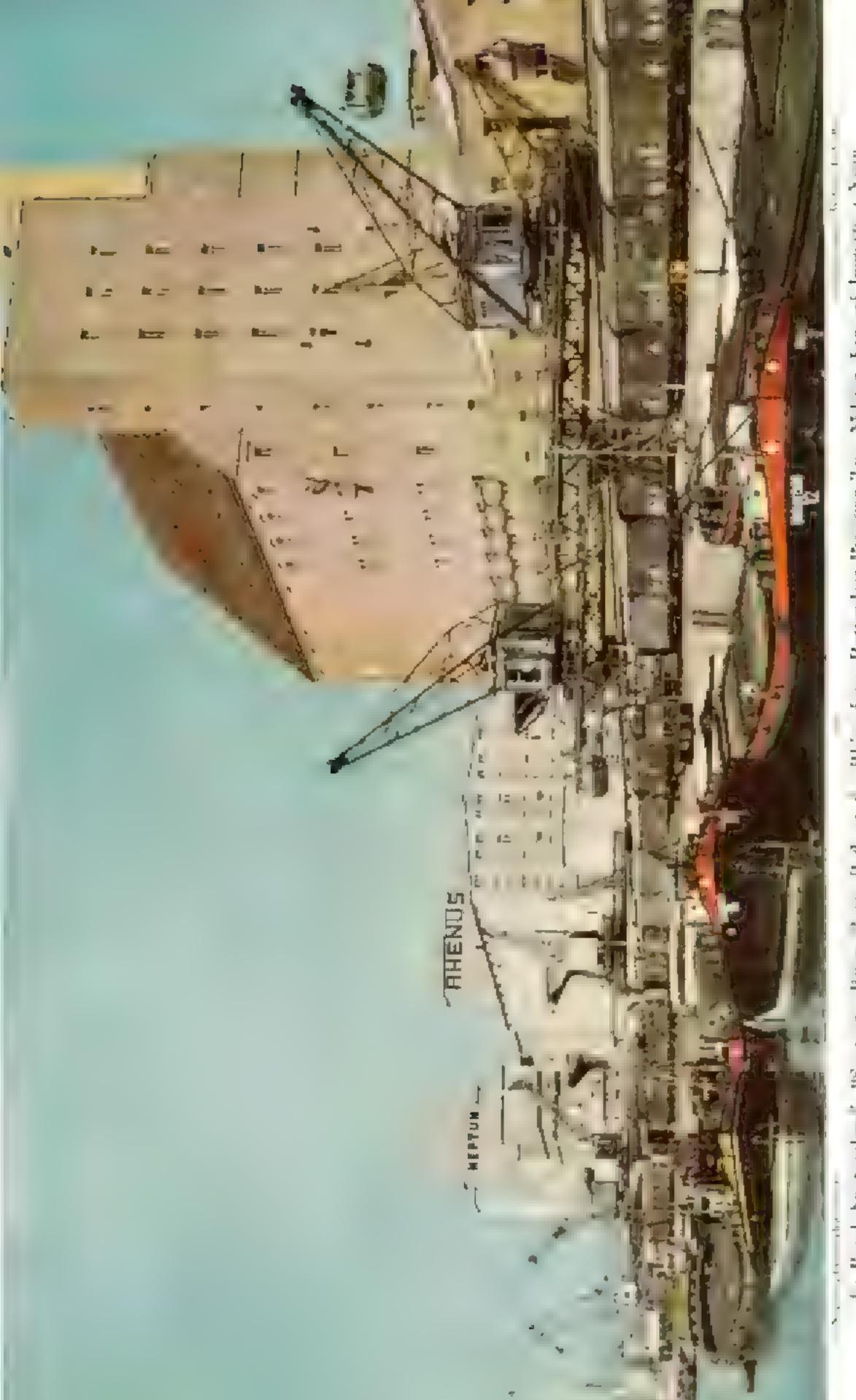
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to Basel, Switzerland's "Sangoor, River thank !



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or Devel Speed in the Taxo "Liquidis"



This independence our neighbors have tespected until today. We shall see that they respect it to the end."

He sent them back to their posts in fighting mood; they communicated that spirit to their troops, and Swiss morale was restored.

Hitler did not attack. Since the war, officials told me, documents have been found which showed that Hitler was advised that it would cost \$60,000 German casa diles to subdue the Swiss. He was tanvilling to put that price.

New and Old Blend in Fribourg

The old town of Fribourg, on the linguistic dividing line between French-speaking and German-speaking Switzerland, stands on a rocky peninsula, edged on three sides by a head in the River Savine, 180 feet below. Tree-clad hill country encircles the town beyond the river, Entrances are by high bridges across the Sarine. Parts of the ancient wal, and some of the witchtowers still stand.

Dominating the town is the Gothic St. Nacto las Latherlas, began in the 14th century. Its organ is famous throughout Europe.

As we strolled through the vast interior, awed by the loveliness of the old strained-gloss windows, the hand-carved choir striks, and the massive alter, we suddenly beaut the prest organ. Untwate of his small audience, the organist high above its was practicing. We stayed to enjoy an innormatin recital

The new home of the University, completed in 1946, is a fact to the Chief th

Six of an Antons—based Jian Zinib Geneva, Vand and New St. Laborator and another and Institute of Technology at Zhich has produced engineers who have made international reputations. Others It. Ammann, engineer and builder of the large George Washington Bridge across the Hudson River, is a Swiss.

I went to Basel to visit the Swiss Industries bair, which attracts buyers from all parts of the world. The town was in boliday mood.

I was astonished at the number and variety of displays. One handred and twenty-six watch manufacturers had booths at the "watch fair" in which were displayed models at prices ranging from a few dollars to \$5,000.

The Rhine splits the city of Basel so that the smaller portion to the north is in sat enclave, cut off from the rest of Switzerland by water.

It the paint where the Lorders of France, Germany, and Switzerland meet, I looked

actoss the water to the north to see a Gorman custombouse, and saries the water to the southwest to see part of the fortifications of the lil-fated Marinot Line

Warehouses and elevators line the basic from which the Shine river houts cepart for Antwerp (page 226).*

In Bulin, Aurgan Canton, I visited the fact of laws. Rose & to a visited the nilders of electrical and mechanical equipment.

Foanced in 1891, this institution was the first in Europe to make steam turbanes for land and marine use. In 1906 it electrification for Similar Transcl.

In the big plant, which employs \$.000 people. I saw have insulators being tested in an artificial reinsterm, and men and women hard at work atop, inside, and under highestormers, turbines and generators (page 244). An impulse generator in the high-voltage inhoratory produces a maximum of 2 400,000 stalls.

One of every four engineers in the company's employ is engaged in research

Another Swiss industrial giant is Sulver Brothers, Ltd., in the manufacturing city of Winterthur. As a family enterprise this firm goes hack to 1775, when Salomon Sulver opened a small brass family unside the town.

The first Staker Diesel engine was boilt in 1897, tiny in comparison with the Diesels in the Oranje (page 205). Today Sulzer Diesels are in service all over the world

Sulzer becomediates operate on the Romanian state railways; an Australian mining company is Sulzer-equipped; an Algiers hospital has installed a Sulzer warming and air-conditioning unit; an irrigation project in Egypt is equipped with four big Sulzer screw pumps.

Steebnakers of Schaffbausen

In Schaffneusen, on the Rhine, is a third big plant, the George Fischer, Ltd., steel and iron works. Here, at far back as 1802, Johann Conrad Fischer began experimenting the manufacture of crucible cost steel the invention of an English watchmaker which had been a guarded secret for 60 years. Within two years Fischer had produced the test crucible cast steel on the Continent

Now Fischer's cut turn out a variety of some 7,000 items, from a huge 30-ten steel castons, through forgangs and machine tools, slown to a tiny key (page 234).

I of served that many workmen seemed to be Italians.

"They our Italians" my extent said. "About

"Sen "Redistovering the Rhine" by Melelie Chater National Isrocuterer Managing, July, 1935



Monney is a the Men City of City of Minney Sheller and Minney City to the Sheller and Minney City to the Sheller of Minney Cit

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Decreed by Grant Clife, on Aspine from Cities to Sebulican Gotas Mayor the Despite Bridge





11ff Lucerne's Lido Beach, Three Girls Give a Booy a Rouga Time

The second secon

100,000 Italians are wetking in Swiss fac-

"When a man who is out of a joy has the enterprise to leave his own country and go elsewhere to make a losing for his family back home, he usually can be counted on to be a good workman.

"Here a Fischer's we have built comfort able demployies for them. Most of their comines to hack home for their families."

The town of Schauba is a lies in an enclave, part of a 15-mile strip of territory lying north of the Rhine but belonging to Switzerland,

During World War II the c thens lised in constant fear of invasion by the Nazis. Transcally, though, their only physical suffering came at the hands of American altered who naistook the town for a Germ, a targetend a deashed a violent perial attack tipen it a court town on April 1, 1944.

in the Mayor's office I saw a huge map on which each hit had been recorded. Singularly, not a bomb fell in the valley where the liet her plant stands

Since the war. Congress has passed a repaire tions bile adjusting Swiss war claims, and more than half of the funds appropriated has gone to Schuilbausen.

Over the Raine Indies which connects schaffbausen with the rest of Switzerland, I drove a male or so with friends to a pleasant restaurant which commands a view of the balls of the Rhine. As we sampled Rhine trout, my companions teld me to observe the hally, tree-covered backdrap for the celebrated Lala (page 227)

"A man wanted to build a fact my on that he l," they to al me. "But the town wouldn't let him. It would have spoiled the view."

Zürich, Switzerland's Metropolis

On my first trip to serious, hard-working Zurich. I found it in he heavy mood, for I arrived on the day of the Scrkindacates, or "> x (look Ringing," the last Monday in April.

That is when the entare Contact soys farewell to Old Man Winter and Lurus him in effect as the climax to a day of rejoicing

I lunched in the base talway station restaurapt, which employs some 400 persons to cater to theusands of totacts daily. Edvors that day were little snowmen on sticks replicas of the figure about to be borned

In Sechselsenten Park across town, rear the Lake of Zarich (Zürüch See), Old Man Wierer, looking like the snowmen fashioned by American large, swayed in the breeze atop a high pule, swaiting his doom. Lelow him tagets were piled some 25 feet in the air, ready for the torch

So in the head of the parade came into wew. The marchers, afnot and on horseback, were members of Zurich's historic guilds, clad in colorful traditional costumes

The bakers were in the van. One group was baking bread in an oven on a float. Others tossed bits of bread to the spectators

Then came the smiths (originally armorers, sword makers, pesterees, and belt founders); the guilds of mear-by districts in early of country falk of the 18th century, accompanied by their greece, chickens, pigs, cows, and horsest men in resplendent costumes of the Guild of Constaniel, frainded by lanights, publication, and scientists: guilds of fishermen, huntsmen, carpenters, heatsmen, tanners and shoemakers, weavers, and others

Although interest among the onk okers was been, I noticed an obsence of cheering.

But suidenly far down the street I heard a rising crescende of applicase. Everyone around use burst into wild cheering. Then I noticed in the late of march a small gentleman of about 70, deesed in conservative duli-ian affire, who modestly acknowledged the plandits of the crowd.

I turned to my Swiss companion. But I had to wa't for my arswer, for he, too, we on his feet theering wildly

"Why that is General Guisan." my friend findly said breathlessly. "He's the greatest man in Switzerland. He was our General Oring the wor" (page 212)

I wisk fell and the paracle marrhed in M 6 o'clock the torch was put to the fagots born a buge blaze rouned skyward. Old M in Winter began to burn.

The crowd reared. Horsemen raced wildly one recklessly around the huge blaze. Firestrackers concealed within Obl Man Winter's costume started to bang. Shouts grew londer. And all the time the immeremble bands, by this time spaced at intervals around the park took turns playing the rollicking becke located Manch, especially composed many years ago for this ceremony.

Darkness fell and the crowds dispersed.

Chi ly would blow through the streets. Paraders and spectators shivered. But everyone was happy. Whater officially, was at an ead Sun those delightful days of sailing on the Loke of Zurich and climbing in the mountains were to come again.

The next day the serious business of fiving was restract. For Zarich is one of Ecope's bug banking, insurance, commercial and industrial centers. Principly it is a place of work, and of place

bor centuries Sw. - textile makers have been selling their cloth in all parts of the world.



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The little of the state of the

At a senal ion beside the Walen See we stopped for an apertif. Across the lake we could almose an international espaces train. Austria bound, as it flashed into view through a series of galleries cut into the rocky mountainers.

I undiced that the Hoeshs spake English at first with a little difficulty, but us the day progressed they became more threat

"Our English Is rusty," II esti apolegized.

"Some years ago it was much better.

"When I first out my wife she was working in a wholest in house in Zürien. I went there often to hav merchandise. She spake French. I spoke Swiss German. But we both spake Leglish: so we used that toughe during my courtship. Both of us had traveled in the United States.

"Mer we were matried, I learned to speak French and she learned to speak Swiss-German. So m we abandoned English entirely Now that you are here, we are glad to have

the eppartmity to brush up."

Glarus, cap tal of the Canton, is an odd to Switzerland. It has no old buildings as the term 'old' is understood in Europe. A desistrous fire destroyed the town about a century ago. Some of the money to rebuild I come from New Glarus, Wisconsin.

For centuries Glacus has been a textuly printing center. In the passeum at Nafels I was old wooden celimiters with head-carried patterns that he ked singularly Indian.

"We once made printed thath for Indian sarongs and experted at to in ha," said my twiss companion, "Also, we once had a varitual monorousely on felt for Turkish ferres. The Turks laught material front us. The secret if our process was that we mixed a certain amount of cow doing with the dye."

switzerland's largest Canton, Graubünden, or the Grisons, is one of the most sparsey settled. The whole Canton is a prowork of nountain valleys, some as high as 6,000 feet above sea level. Its streams drain to the

Dangbe, Rhine, and Lo.

I entered the Greens by war of the upper Rhine Valley, traveling by train to Char, that town of the Canton. This ancient commanity of nature streets and tail bouses was the seat of a Bishop as early as 452. The Cathedral, on a hill overlooking the town, is more than 650 years old.

The rall journey from Caur to St. Muritz is specticular. Ruined castles perched on high mountainsules come into view every few miles. Huge boulders litter hill-sides and project from the beds of rushing streams. The rocky, forbidding hard is in stricing contrast to the item to use of Cilerus.

Loops, spiral tunnels, deep tats, and high bridges followed one upon the other until the train energed from the Albuda Tunnel, teatly four piles lang, to enter upon the floor of the Upper Engadine Valley. A few moments later we had reached the town of St. Moditz, 6,000 feet above sea level (page 214)

The farned winter resort lies high above its breely like and is bridered by still higher mantains, their summits capped with snow. These in mutains a skiets' paradese in winter, shed their whate mantles late in spring. Then nimble Itenwa Swiss entitle climb bigh up the sloping sides to graze throughout the summer

mouths (page 215).

In 1884 St. Moritz built its first telegranrun, the Cresta. A few years later the oldest bobsled club in the world was formed there and the old sport of curling was introduced. Then figure skuting and ite lookey brought ourse color and glumour to St. Moritz, along with its relebrated ski jumps and ski rans.

A Tougoe from Roman Times

Only 40,000 Swiss, about a third of the population of the Grisons, speak Rhaeto-Rommsch, but in 1978 the nation could to preserve it as a featith tutional language. The Grisons were part of the unclear Roman province of Rhaetia, and their language stems to an Roman times.

Despite infiltration of German settlers into the Grisons, the ancient toughe held its own in the Lugadine, he Vorder Rinin, and Huster

Rhein Valleys.

In Sama ien the old and powerful Planta family presented its amostral home as a research institute for the study and promotion i Ricceto-Romansch calture. Here its, John Polt, head of the institute, showed the its Rhaeto-Romansch history of more than 4,000 volumes, some printed as early as 1552. I saw the first complete edition of the Bible in Samilyian, a Romansch division, printed at Children in 1718. It contained a four-page dedication to George I of England.

"He commission 50 gainess toward the

printing costs," Dr. Pult explained,

On the History shelves were the works of Walt Whitman and Henry Wadsworth Long-tons of English writers—Shakespeare, Lyren. Tennyson, and Dusens

In the village of Zuoz (page 228) stand typical Engadine houses, stone structures with thick walls, from four to five centuries old. The general plan for each was the same—a sourt in the center, entered through stout doors wing and high enough to admit a loaded bay wagon; the kitchen and duing room on

one side of the court; sleeping quarters untilled other; and in the rear a huge barn, with statics underneath

The practical reason for this layout is to keep human beings and mimals warm during

the long and hitterly cold whiters.

Must of the eld Engadine bouses were built by Italian stonemasons and carpenters, who came over the mountains from Italy to do the work in the summer months, sometimes working three or fair summers on one home.

They built well, but were disturbed to discreer that the stone of the Engadine was too

soft to permit decorative carving.

So they applied a double coating of finish to the exterior stone, drew their resigns upon it, and then squarehed through the lighter, opter rout. Thus the dark-colored inner coating was revealed, making the design.

This art work they called sgrawiti, from the Italian word sgraware, to scratch. From sof some Engadore bouses are thus decorated.

Through Italy to Lugano

Going from St. Moritz to the southern lake resort of Lugano, I crossed the tip of portherntral Italy. The Ticino, Switzerlands Italian speaking Canton, thrusting southward to the lake of Lugano, is bordered both on the east and the west by Italian soil.

By Swiss Federal Postal Service motorbus I headed southward through the Upper Eogradure For some 1D toiles out of St. Moritz the read scarcely changed its level. The Italian spenking Swiss will uge at Masaja is at virtually the same altitude as St. Moritz.

Then suddenly the bus becam a spectacular descent into the Val Bregagtia, 2,000 feet below, on a steep read cut into the clin. I was amazed at the desterity with which the deiver negatiated the 12 ferrilying harpon turns in the road.

just beyond tiny Castasegus the bus crossed be horder and wound its way through small,

tymide-down Italian 1 wns.

For 15 miles from the head of Italy's celebrated Lake of Como we skirted the western side of the heavilus lake, with its picturesque fishing villages and palatial manner villas. At Menaggia we swang westward and in a few miles were able to see the eastern the of the Lake of Lugano. We followed the shore of the lake into the famous resort.

In a few hours I had moved from alpine to tropical surroundings. The evening before. I had asked my hatel proprietor at St. Moritz to place a small electric heater in my room for warmth. Now, 24 hours later, I was eating dinner on the balcory outside my room, which overlooked the lovely lake.

Along the lake's edge a prometable extended for several nules, bordered with formal rows of plane trees. The lake itself was dotted with pleasure craft sailboats, nuclothoats, and lake steamers borneward bound with a glith seeing parties. Two males south of Lugano, tree-clad San Salvatore, a sugar-local mountain, east its hold studow over the lake.

In Lagare the ancient and levely old church of Santa Maria degli Augusti, everbooking the lake, stands alongsade the fashionable hately, shops, and numerous to ket-agency onces Across the promenade scores of motorbouts.

ranged in line for hire,

To reach the Canton of Value, I again possed across Italian territory, this time by rail, and through the famed Simplen Turbel, longest in the world. It extends for more than 12 miles, and where it pieces the mannifice of the Alps 7.00f feet of monatum he overhead. The Swiss-Italian border is at a point about halfway through the turnel. Just beyond the northern end the Italia came to a balt in the little town of Brig.

Brig Is an in ortant crossroads. It lies at the fact of the Simplon Pass, which leads over the Alps into Italy, and also is on the main mad to the Futka Lass, which, with the near-by Grinesel and St. Gotthard Passes, affects communication across the mountains to central Switzerland.

Roads wind over more than 25 major passes and numerous minor ones across the Swiss Alps. One historic pass is the Great St Bernard, which crosses into Italy from the southwestern part of the Caut in of Valass, Celts and Romans made their way ever its trail before the time of Christ. By this route Napole in hel his army into Italy, to defeat the Anorians at the Jamous Battle of Marengo

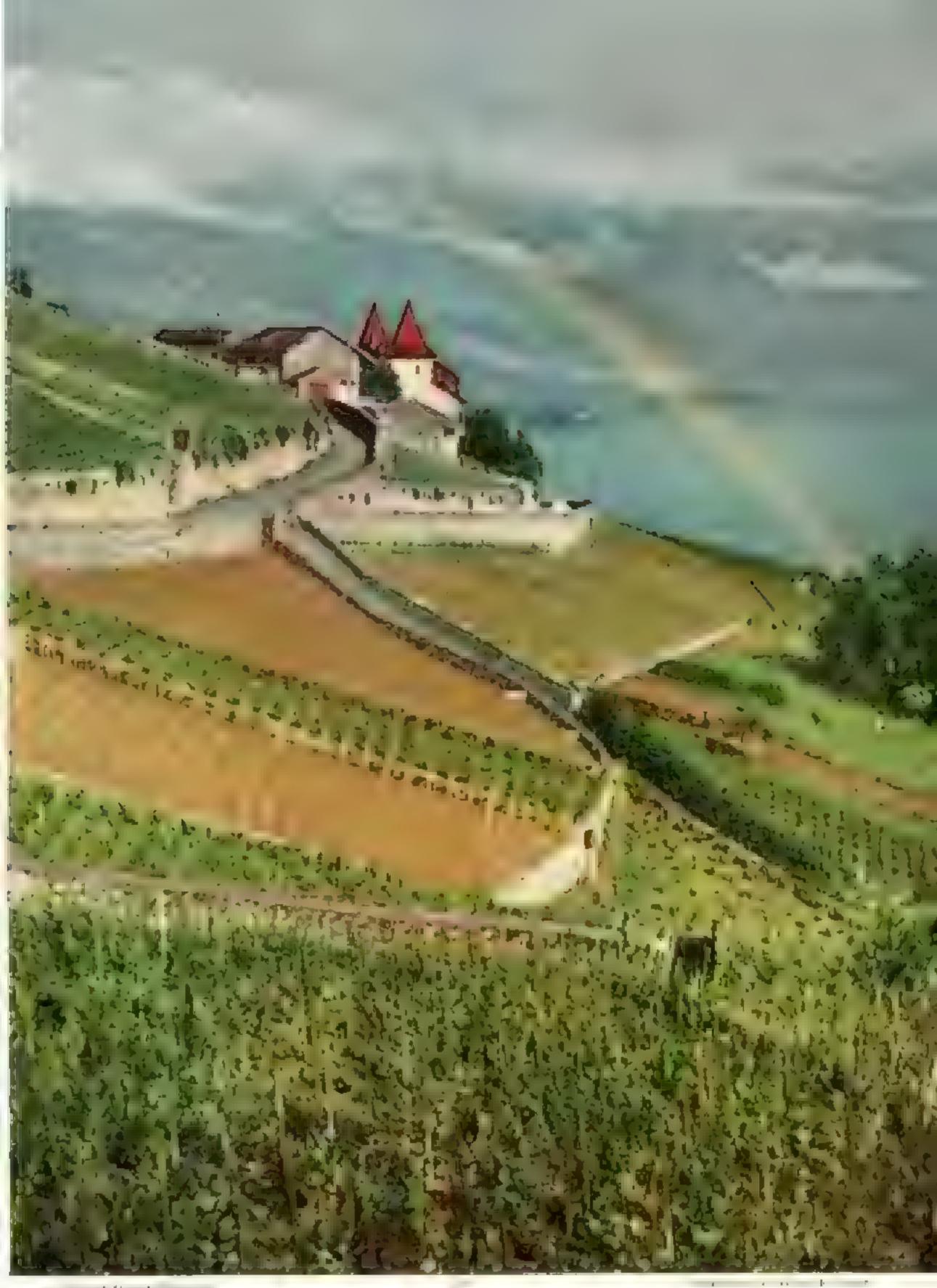
At the mountain tespace founded by St Bernard of Monthon in the 11th century are bred the famous Saint Bernard dops, which were trained to rescue snowbound travelers.

At Voque a few males from Bog, I bounded the part ow-gauge radroad for Zermatt and the Matterborn. This steep I ne, which ascends the Nikelal Valley, climbs through rugged on anta a compley for 22 miles, gaining 3,150 feet in altitude in that length, aided by packand-pipion geat.

The m le-high, mostly single-street village of Zermatt, health resort and tourist and winter quot center, stands on a little plan completely surrounded by Switzerland's nust impressive mountain giants—the Hom, the Matterhorn, and the Mante Rosa, Zinal-

enthore, and Weisshorn groups.

The summit of the Monte Rosa group is the highest in Switzerlan I. 15.316 fort:



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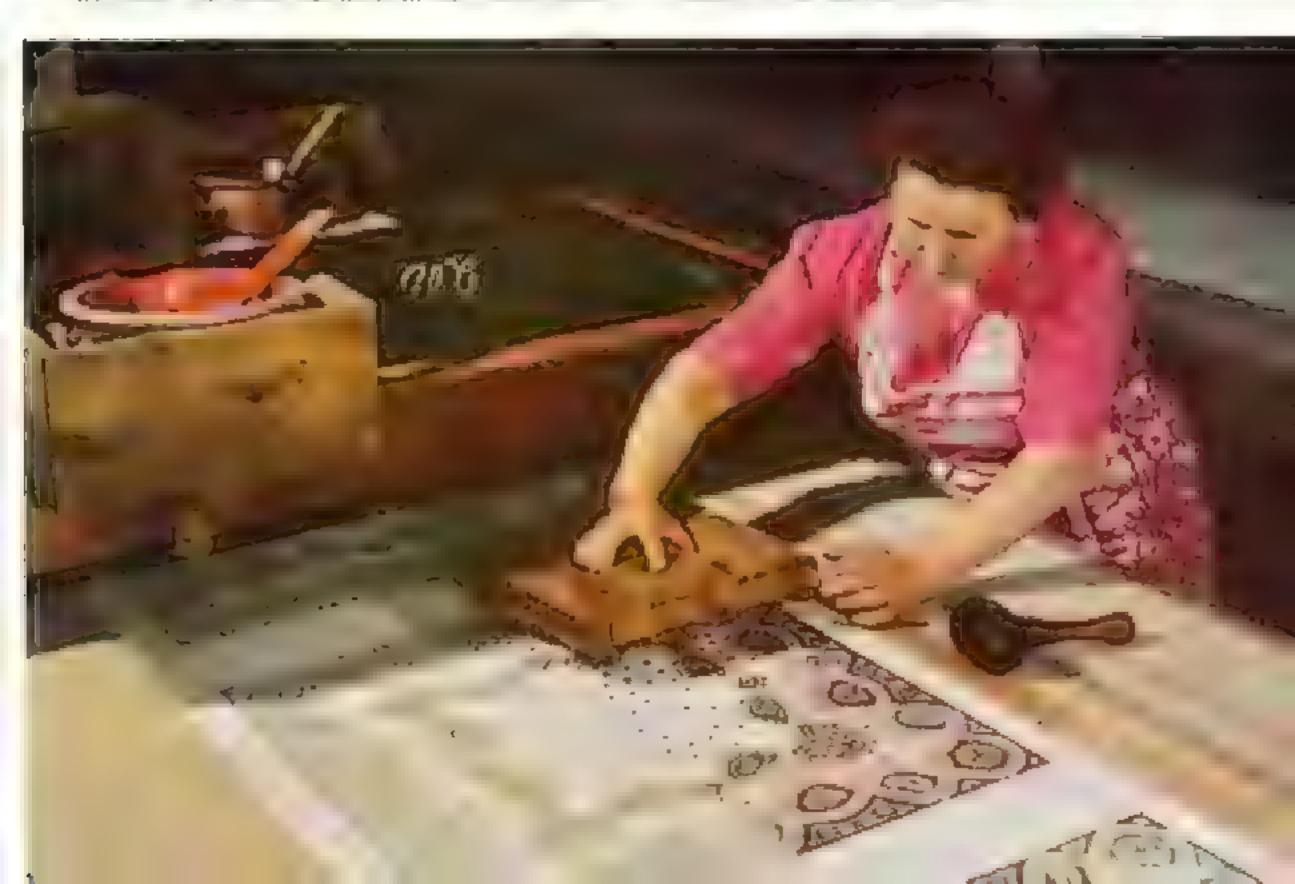
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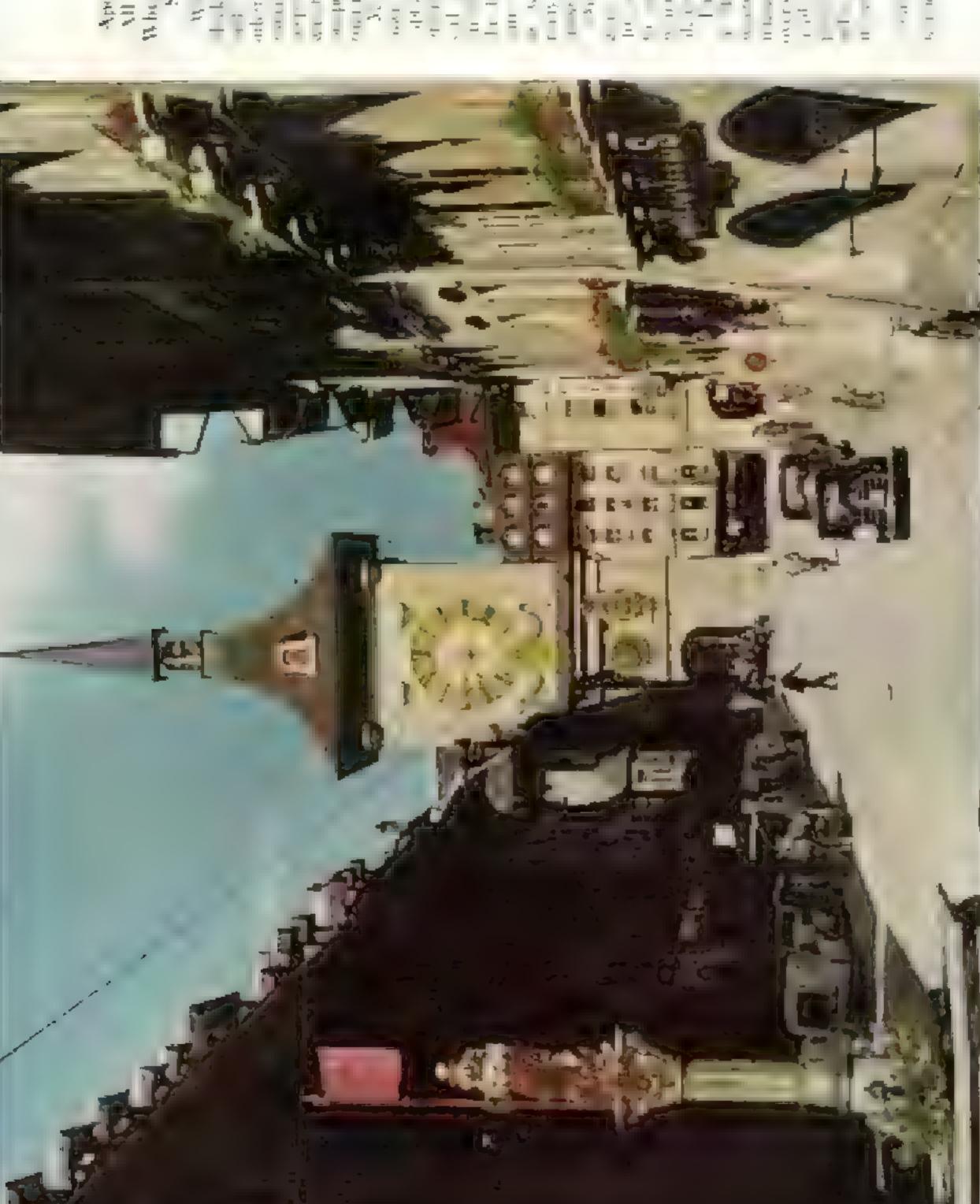
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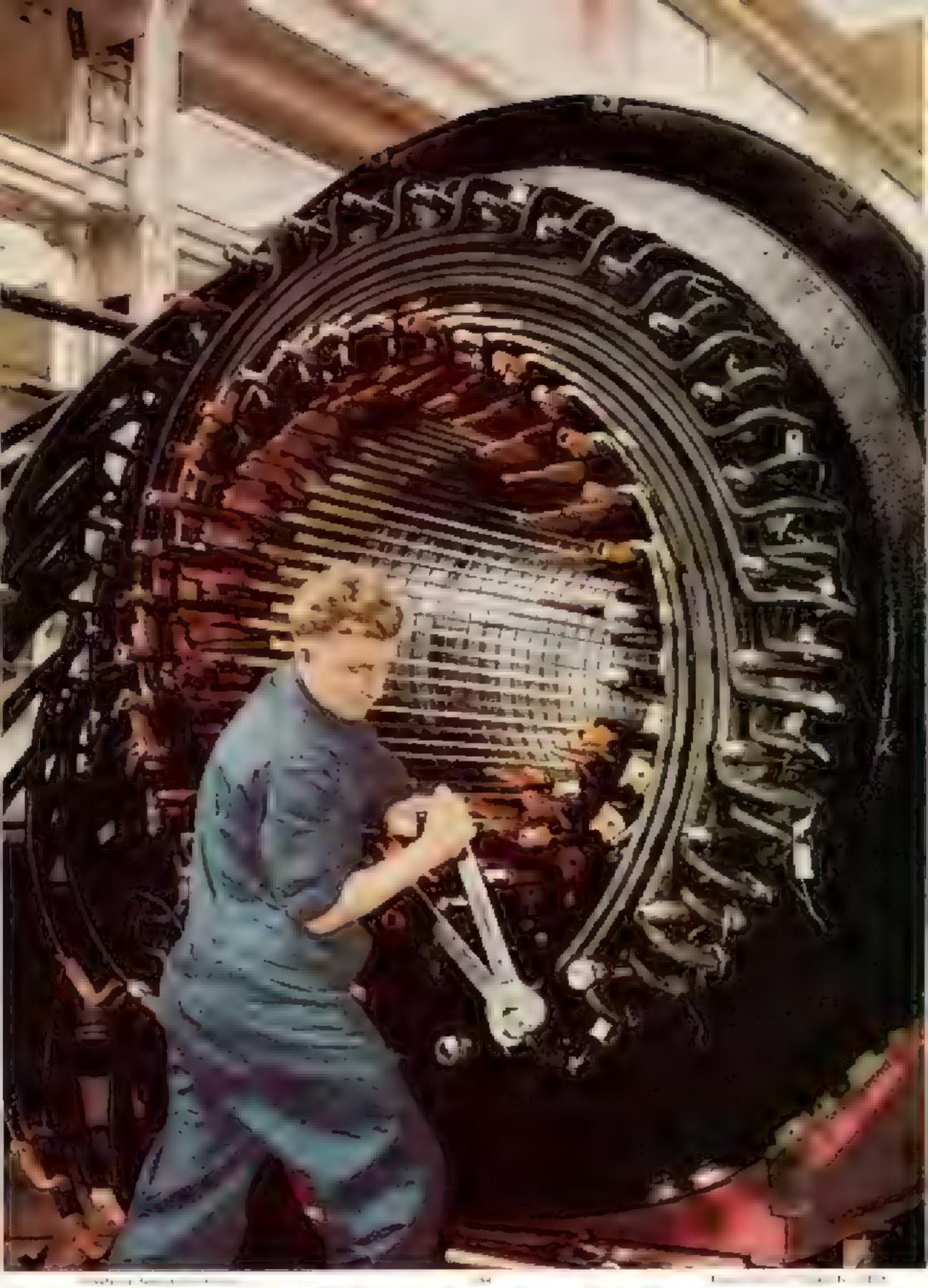
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it is not see impressive as the Matterbian, 436 feet lower, which stands alone in lofty splen-

thir (pages 224 and 225).*

So visitors may view the Matterhorn at close range, the Swiss have built the highest open-air railway in Europe. The line ascends from Zermatt to its terminas at Geometral, 10,380 feet above sea level, to miord a breath-taking panorams of some 50 snow-capped peaks and more than 50 glaviers.

My journey next led through the upper Rhône Valley, the wine- and fruit-producing region of the Valais. The train flushed by vineyan) after vineyand whose grapes produce chiefly the excellent white wine known

as Fendant du Valais.

The name comes from the French verb fender, to split. When grapes of this variety are ripe, if they are pressed between thoub and forelinger they will split lengthwise with-

out spuring juice from their pulp.

Heading westward, my train now was apordered and a real of the terminal of t

No exemption from Montreer, is more popular than there is to the Castle of Chillian, made fromus by Byron's piece. The Prisoner of Children. Not fix south of the bundlet of Vertices the medieved castle stands on an islet in the lake, connected with the share

by a wooden bridge,

Between Montreux and Lausanne the like share is dotted with villes and bandets. Among them is the resort town of \ever be a factor white, clean, English, and combattable? today as when Victor Hugo so described it that 237). Vevey is a production center for famed Nestlé Swiss chacolate

I had not been in Lausanne many moments when I realized that this Swiss city leasted few breycles. It is built on steep lills. On the highest stands the imposing Cathedra of Notre Dame, consecutived with great pump in 1275 in the presence of the Emperor Rudolph of Hapsoure.

Here, too, is the professional school of the Swiss Hatelkeepers Association. The Swiss have a majoyed the reputation of being Europe's forest imprepare. The aim of the school, founded in 1893, is to foster (but

reparticless.

Closed down during World War II, the solved has reopened, refurnished with the most unto date botch equipment available.

Its modern buildings front on Lake of General Escarted by the director of the school, I walked through the pleaming kitchins where carried lads, each wearing a chef's tall white cap, were learning the art of cooking under the eyes of experienced instructors,

"We have students from 23 different mations," the director told me. "Some come from Australia, others from South Africa. That his fellow there is from Ireland. Many are from England and Canada. We have had students from the United States, attending under the provisions of your GI bill of states.

rights.

"Here they all learn the hotel hasiness from the ground up. About a third are in the cooking chass, another thirly in the service, or waiters' class, and the rest in the secretarial class. Girls learn how to become managers' assistants, take care of stockmooms, and supervice chambern aids."

After a student graduates, by takes another five month course of practical training in a Swins hotel.

Watches, Watches Everywhere

One day I departed from Lauranne to visit the French-speaking handet of L Orient in the Jura Mountains, a typical wateronaking community made up almost entirely of the Lemana Water Company, as 250 employed and their families.

All the parts for Lemania watches are made here except the springs and jewels. Jewels for modern watch bearings, incidentally, are synthetic rubies, considered better for the

purpose than genuine rubies.

I was analed at the requirements for accuracy, at the conjectors inspections of the various tiny parts, and at the patience of the workers who handled them. Fine jewelers' lathes, punches, drills, and other special automatic machinery were in evidence everywhere; but no matter how precise the machines were, each individual piece turned out was carefully filed and polished by hand, and inspected, in the constant drive for perfection.

I had my lunch that day at the near-by bambet of Pumpaples at the pleasant Café do Milico do Monne (Center of the World).

The ambitious title arises from the fact that from a pond less than 200 yards away two may streams emerge, one flowing into the Rhine, the other into the Khine

Later in the day I visited the Laboratory of Horofogical Research at Neuchâtel, where every device known to science is employed

*Ses "Mankso Apare Climbing" to Minam History Unitedad National Library for Waterian August 1954



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Porcupines, Rambling Pincushions

BY DONALD A. SPENCER

I HAD lived and camped in the mountains in the live trains a research was first startled it in a saund sleep by a weird and or familiar cry. It set my scalp to prickling Cautiously, I felt under my bed for flashlight

and pistol.

I couldn't imagine what creature had found its way into that deserted mountain stack the sound was I ke someone singing the scare using the word, "I'mh," The phostly vocal tat's wall ascended note by note until quite shall, then dropped and deshalled away in an evenly spaced "Unh, unh, unh.

Several releates I listened while this call was repeated again and again. Then I set

chaut to locate its source,

Irragine my chagrin when I located a pint sized barry porcuping mader the cabin floor! I had believed the porcuping to be practically velocless. Since that night I've houned a greated about the fascinating pineashion-on-less, yet I'm always making new discoveries about these locable (yes!) wood and wanderers.

Pest of Pet, Porky Has Personality

The percupine is an entertaining member of mir wildine family. It runs the gamus from an economic pest to a position of semile ty among some Indian tribes of the Southwest. In days gone by its quills were widely used for ormanentation of garments, weapons, and implements (pages 249, 258, and 259). The lang goard bairs were fashioned into cockscimb heateresses.

In Henry Watsworth Langfellow's Song of Higgsetha, the hero appealed to Kagh, the hedgebog, for quills to decorate a new birth-hark cause. "Take my quilts, O Higwatha!" generously responded the partupute

how the ground the quilts be gathered all the little shorted tro We.
State I than red and blue and velow.
With the june of posts and better.
Into his can in he wroteld them
Round its want is should neckate.
Round its some a pleasure neckate...

Fact and finitely we eve queer patterns then the porcepine. Many an amusing tide springs from encounters with this prickly querry Its eating habits cause serious forest damage; the index it brings to cross and dimestic an male metits serious concern

How many of its credit the porcurite with writing its own history, planning meals a year in advance, with coming when called out of its wild retreat, or with belong an affections of pete Perhaps you are one of the thousands of Americans who take test or bestod and strike out for woods and mountains in vacation time. The first time you've been awakened by a rusting in the grab box or among the pans, and your this hight picks out a porcuping, you may be excused for crimping.

In a tent the porcupine may look as large at that, instead of running when spotlighted the intruder whirls about, reaches up a 4-inchedeep thatch of sharp quilts, and nokes a few warning "whacks" with its clublike tail, also

thick with quilk.

The experienced camper keeps his light on the intrader, makes a naise, and may include it predance allusions to the ancestry of all porauphose. Porky will besitate briefly, then have the tent at a clumsy can. It's as easy as that!

Porky's armor of some 30 000 multibarties) quits is formidal to emuch. Resides, the strong bution teeth can were a finger in one bite (page 253). However, there is httle danger from a porcupine except through agnorance or sheer accident. I recall our ight years upo on a Lighway in the western through \$1.00.

There of us were insent on capturing a life portupine alive, aided only by the car lights turned into the willow scrub. The quarry took refuge in a willow clump. One of uswent around to the opposite side to drive it out.

Porky came out unexpectedly, right at our feet. Startled, my brother stepped backward the humped into me, and we tenth list our talance. My but ther fell across the porcuping that hadn't got alent

The chase ended then and there. The porcupine went its indifferent way unharmed We spent the next hour in front of the car nealights jerking out, one by one, the maze of pulls that poiled the traceers to the victoria thigh. A painful operation

A Walking Arsenal of 30,000 Spears

Along the back and sides, from eventow to tip of tail, the jutcupine is atmed with needle-sharp up ids (page 200). Only the face, legs belly, and undersurface of the tail are free of them. If there are 30,000 qualls on one porcupine, that is a lot of protection, especially when you consider that they are replaced when lost in combat or duffed through normal wear. One cold winter hight in Wiscons a I de-



Inding a Hanger Strike, Greta Sales Her Teeth in a Shee of thread

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It respine Quilleura Decreates the Shore of Crazy Bull's Rich Trappings

Recently the Sunty chief willed Explorers Hall in the Schuldel temption in Society's headquarters in a constant, it, C. to see the country of most them into paintings by W. Lanedon Kahn which have distingted to the United States and Chief time Hall, one of the Indians who overwhelm is found to over their the Highern in Mostum in 1886. Crops Bull wears a literatelial of home beness and a first of

I have this the profit of ore on do no more than break off the protruding to the translated points work deeper is the mouth and thro t until, peak to the cottle dies of a translate.

The hanting dog often falls to a second the hanting dog often falls to a second the large of the large of the large and even hases pay dearly for the curlowty that makes then ruzzle that strange frown form wandering in the pastace (page 156).

Main: we the last of the estimate of the control of the last will be the the air so the quill col quant is easily withdrawn." Others recommend swall ing the quilled afeat with vanegar, sweet oil, or other lotion to soften the barbs before pulling. Still others counsel twicking the quility the public.

A di in a ratione, in the only and for the order of any solvent soften embedded barks

a the second of the second of



"This Is for Your Own Good, Pall It Wood Hart (Much!)"

The place of beating riles is percuping 35 parts of the place of the property of the parts of the property of the parts of

Who, then would dillarately become antimate with live porcupines? An inquiring hiologist, perhaps, and many others interested in our native wildbie.

Want to Cupture a Forky darehanded?

so the same the tapture of a portupian of a of antiffic trooms part to be a distant to one as part to be a distant.

As I the portugine, either to the highest cere in the man of a the second to be because to the because the distance of a man dates trust his wingot.

In the time porky stopped where it is a first I had to brace myself.

of the selection of the

Hartel Halte The 25 is for the in a tengen brief e nat Almin on the trong the and with THE REPORT OF THE a net bis pirit of the merelly villes in the . S I those to des between thumb the lotetitizet of the eft hand lift the to l . . I in a continuing revenuent lide the right hand espeath the to of grasp attroug worth the compaids e i.e. to besimer:

Florid but to be set und for this action, but once I had a time gr on the tail I stopped to cutch my breath Unlike other animal that turn and attern a to litte, the porcupine needs only to pull away. New y they could be Jangerd off the Boy. To have been a n mid-ar II was heavy-booked that an · · · · onal jiggle kept it i in its tecto into play

of a free line of

Then follows it lest of climbing down the tree with mix profree maint, the other is a county of the other is a county of the following the first of the following the first section of the fir

A co-worker and I discovered a percupine of the top of a 40-foot sprace. I went up after it. Since four feet of some blanketed the ground, I planned to push the agent al out of the tree for my partner below to retrieve unshring to I carried a wand cat from a pear-by

bash, for the tree was dying back at the top and I cared not go hick enough to grab

the percuriae by band.

The trick was to reach up and outs the porcupine with the wand and rap it on the nose, being careful n t to town the animal shark in so a sing. After several such raps purky began to back down toward me.

I hurriedly dropped the wand and slid my hands and feet out along lateral branches. So that the descending animal passed between me and the trunk of the tree within im hes of my face. Remaining im topless that I at reached the level of my feet. I put my foot on its head and shoved.

Alas! While dislodging the porcupine, I had paid too little attention to the size of the late I am has the ground let a support, the swing my cutive weight on the tight branch. This also gave way and sent me out of the tree backward.

Porky a Night Wanderer

Frue feet of snow make a good cushion if one insists an falling out of trees. Luckely, I didn't land on the porcupine, which my partner caught the easy way by opending a metal parover it and sliding the lid underneath.

The porcupine is more commonly abroad at right. During the day it hides in the crevice of a rocky hidge (pige 264), in the laby-coath of a loose rock talus, or in a hollow log.

There are not imforts of home in this detno nest, no bed of leaves, no stored food. In fact, porky may be sitting unconcernedly on a cake of ice, for the den serves only for protection against predators (inch sing man) and the weather

Porky doesn't hibernate in winter, but is abroad whenever the weather is suitable. At times it will spend one or several days in a tree without leaving

Its habits are somewhat different in the Rocky Mountains and southwestern States, where the yellow-haired parcupine uses a "rest tree" austead of a den in which to pass the day-light hours. Scattered throughout the forest are trees with high, broad, lateral limbs where the animal sprawly asleep, often with all four feet dangling oversida.

All these halfts pertain to the winter months, when the protapine is feeding in the trees. Untage the rest of the year it feeds on ground vegetation and sleeps during the day in some thacket or granaul retreat.

No larger dependent on the Jen area and its forest cover, it is more evenly distributed over the range and is found in open parks, along streams and lakes, in agricultural regions, and on the practic miles from timber.

It pring each year the single young is born, not be less to crit to our and which calls fully formed. Ut course the quality are soft and in proportion to the haby's size, but within half an hour they are ready to protect their bearer, as I have learned through taking a score of these one-pound infants by Caccarean operation.

What always interests me is the fact that, without an adult to built the, one of the new-born porcupines first actions, 15 minutes from time of birth, is to which with tail toward any unusual movement or halse and strike from

aide (Taide.

In other ways this youngeter is an able little fellow. It follows its mother about on the ground within a few hours. The nursing period is usually short, for within about three weeks it is feeding on succelent green vegetation. Family ties are usually terminated in a couple of months

Paradoxically, the porcupine makes one of the most interesting and lovable of pets.

"Who'd want a pincushion for a pet? And how an you pet them?" you muy ask, It's easy when you start with very young individuals, although my wife may disagree with that statement. She has had much of the early feeding and care of some 11 different "quilt pigs" (page 257).

We start them on diluted cow's milk administering it first from a tubber ear syringe, ater from a larger take, finally graduating to bread and milk in a sauter. Very quickly they are eating many things—fruits of all kinds, certain vegetables, dandelon and other greens, and all kinds of certain and breads

fpage 2+81.

It's comical to watch a young porcuping hold up half a slike of orange in its front paws and trying to bend its head so as not to lose the drops of juice that tend to drip off.

"Rarin' to Ga" at Humans' Bedtime

Ularious times are in store, especially if two or three of these little fellows are raised together. They're us playful as pappaes and fully as noisy.

They first want to be fed, then, if free to do so, will follow one about the house like shadows keeping up a low-pitched

plantive cry,

When you pause, they swarm aloust your leet attempting to climb a trouser less or reaching for the been of a skirt (the "new look" kind, of course). They even like to be picked up and handled. This should be done by sliding the hand under the animal, rever picking it up by the tail as you would a sold a falt.

The qualis or runtly are bell flat to the body, except when the animal is angered or frightened. Only if you attempt to pet tag inst the grain' will you be praked.

Forcepines soon earn to reach up and grasp the lowered hand with their forepaws and permit themselves to be swung up into your arms. The girls will have to wear slacks, for not only are porky's long class rough on silk stocklings but they billist unintentional scrat, has

After the meal they probably will go into a characteristic dence or game. They make short running dushes about the room and end up by spinning about several times, much as if shade whosing with their task. This performance will be varied by rushing up to each other and whit ing

Sulker Gets Picked On

If one of the group does it that to play and objects with an annoyed cry, then, like himmen children, he gets picked on the rest of the evening. They also like to wrestle, placing their forestms about each other and rocking buck and forth in mock hattle until they table over and separate

When tired of play, do they ar off to the big prepared for their sleeping quarters?

They do not? They came whelsing over to where you sit in your chair rending, crawl up your sloping pants' legt and nose about in your lap. If you absent-mindedly rub their noses or soratib their tunniles, they finally snaggle down to sleep. Put them down, and back they come

For mimals so solitary in habit, they exhibit an unusual desire for man's company that first year of their lives. Not do they lose the play instinct after the first couple of months. Our the No. bit is a with a live, properties than a romp on the awn. This included being turnlied over breaward and roughed upside down like any puppy

You must understand that it is parky who initiates this play; you don't. That's one characteristic wherein a percupine pet dailers from others. When it has faisand playing, any insistence on your part results in taised quils—about as emphatic a "No" as you will ever experience!

An Albino le Born

I made my first successful Caesarean operation to acquire a haby porcupine more than 20 years area in Arizona. Although five more many a new, in all parts of the United States, the outstanding one took place near Carthage, New York, in the spring of 1941.

I wanted Kodachrome i hotographs of mas-

ing Caesarean operations, so I shot a lemale and busied myself for 20 manates inking pre-liminary pictures. When I finally opened the ateries, there was an albine embryo (page 136)!

I worked feverishly to save the little fellow, for records tell of very few albinos found in this country. One outstanding albino was photographed in its natural balatat or the Upper Peninsula of Michigan by George Shiras. 3d, for six consecutive years, from 1904 to 1905.*

Pinkie, the albino I took peat Carthage, is alive today. The purk eyes and feet, white but and quibs, make blue truly outstanding attempt percupines. He even became a movie star in a Government film entitled, The Canadian Procupine. Twice he has traveled across the United States and Lack for purhamperatures.

After Finkle was a year old, and only because my daties as biologist for the U.S. Fish and W Idlife Service forced me to be forever on the move, I gave him and several other normal-colored percapines to my friend, Dr. Albert R. Shadle, of the University of Buffalo.

Dr. Shuffe maintains a sizable colony of moreupmes, and Pinkie has since featured in many scientific experiments and resulting publications. He now weight places 25 pounds, which is large for the species.

Young Porcupines Are Vociferous

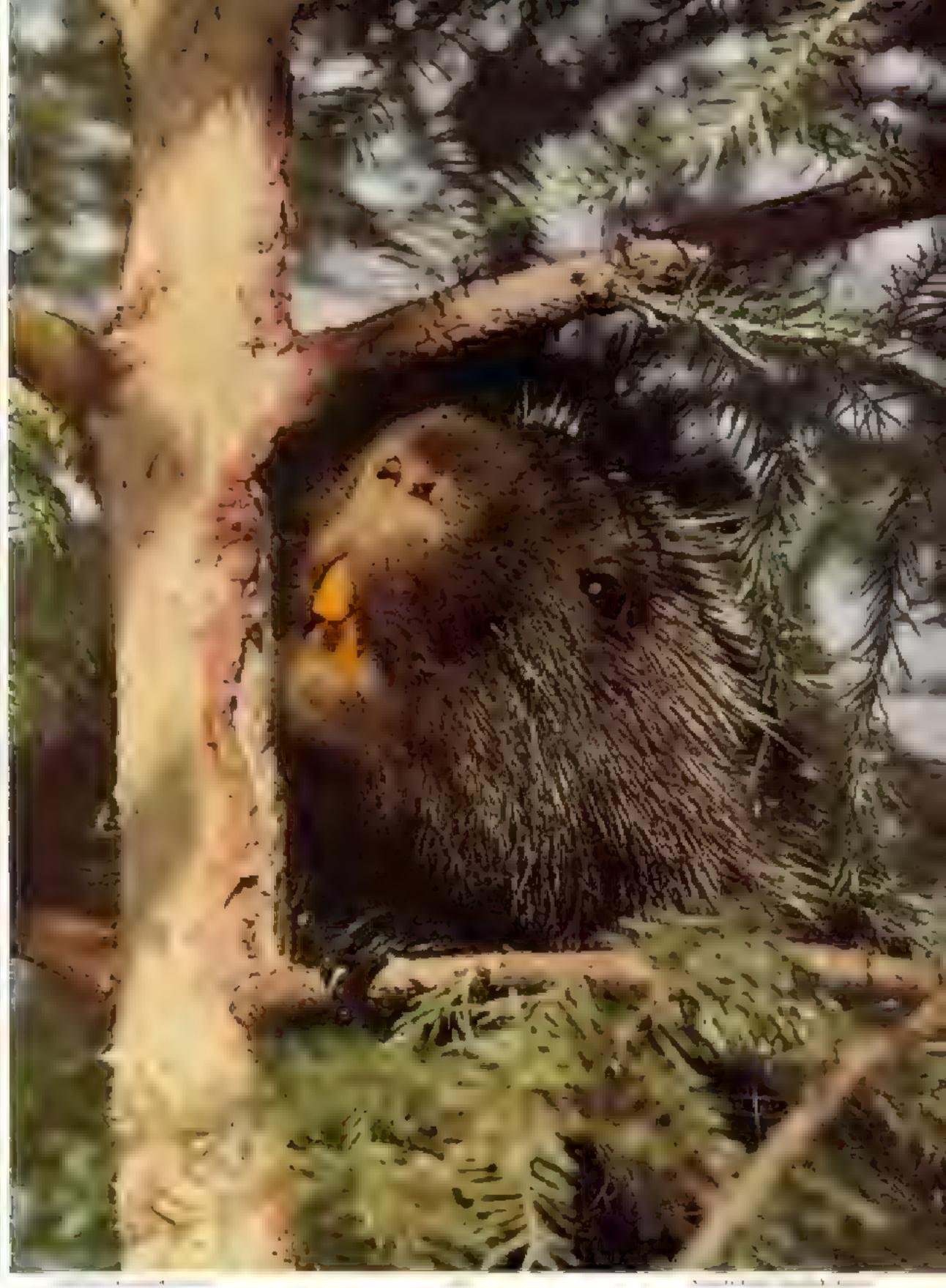
I we learned that young percutines are far from silent. Those pers of ours repeated that scale-runting cay many a night during the first months of their lives. The adults are quieter, and it is unlikely you will hear them except during the breeding season in the fail

At that time parky's poculiar call may drift downwind to your campline from some distant tree. You may also bear two porcupines in the same tree at that westen quarreling sharply. But at atmost any time of year you may hear a low-pitched "Cah, unb, unb" given monotone.

It was mid-November and the first snow lay on the ground. With a voting forester. Harland Barmeister, I was cruising a timber stand on the Nicolet National Forest in northern Wisconsin. We located a percuping almost obscured in thick foliage high up a large hembeck. My companion had been born and salsed in these words and to him a percuping was nothing new, but still.

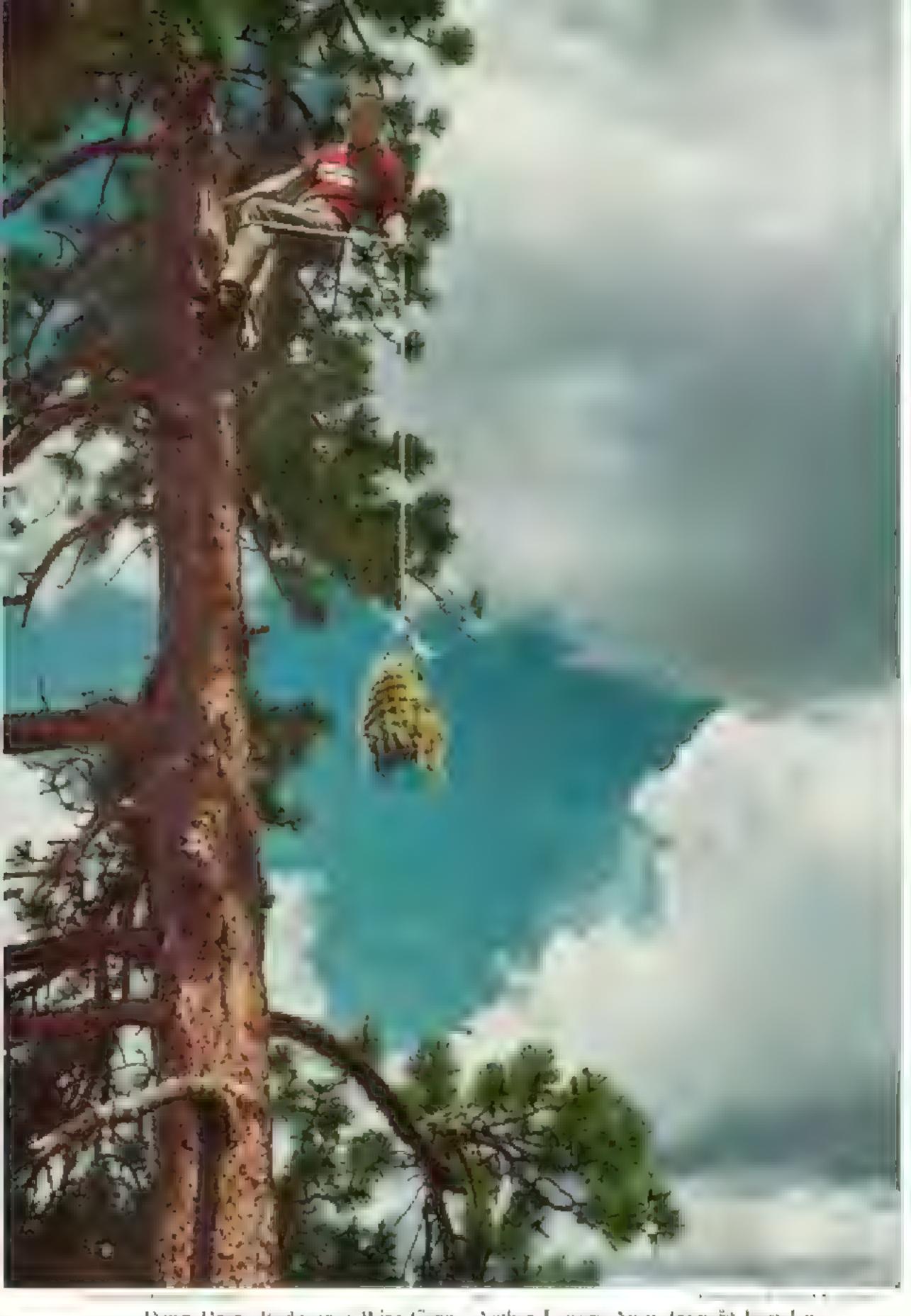
instructing Harland to stand perfectly still,

The little of an Aftern Poventine and the first transfer Comp." by Genue Stirile 3d National Groundent Macaking June.



Buckeeth Bared for Actions has Porky by Set to Leed Not Figure

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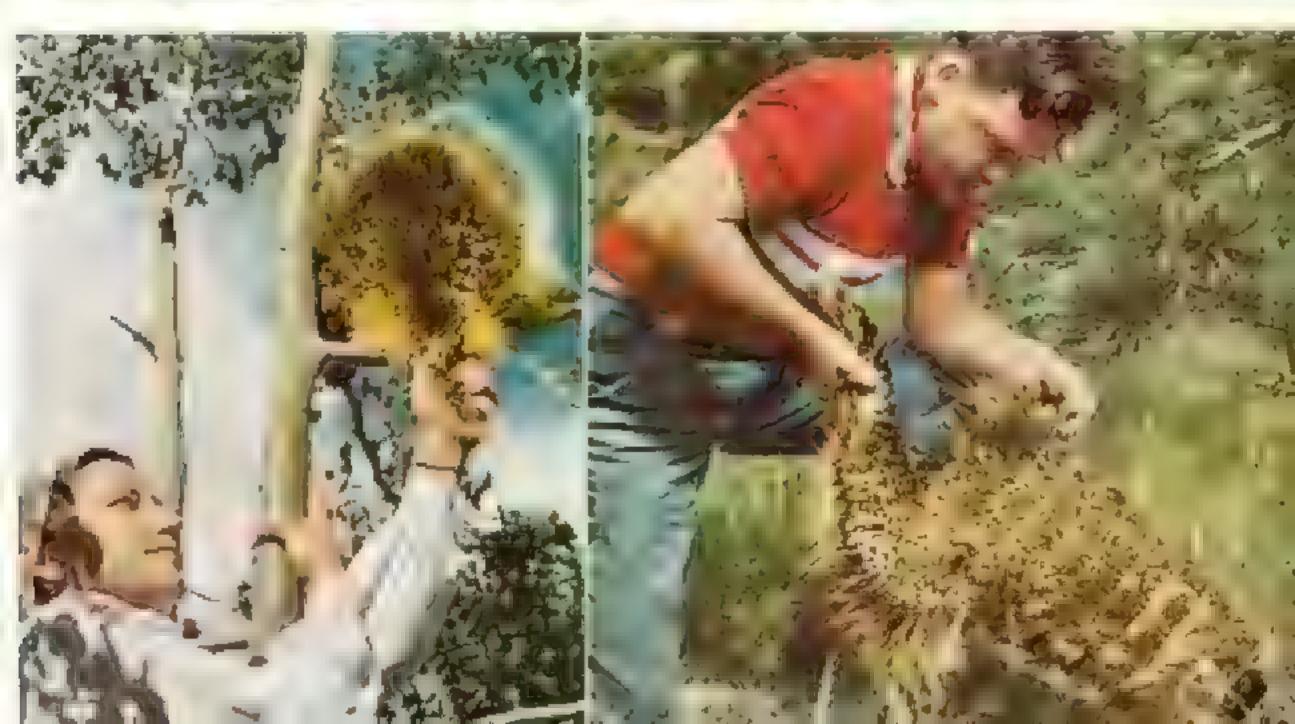


Down Dr. ps. Pocks in a Wire Cone. Author Lowers Away from St. Lett. p.



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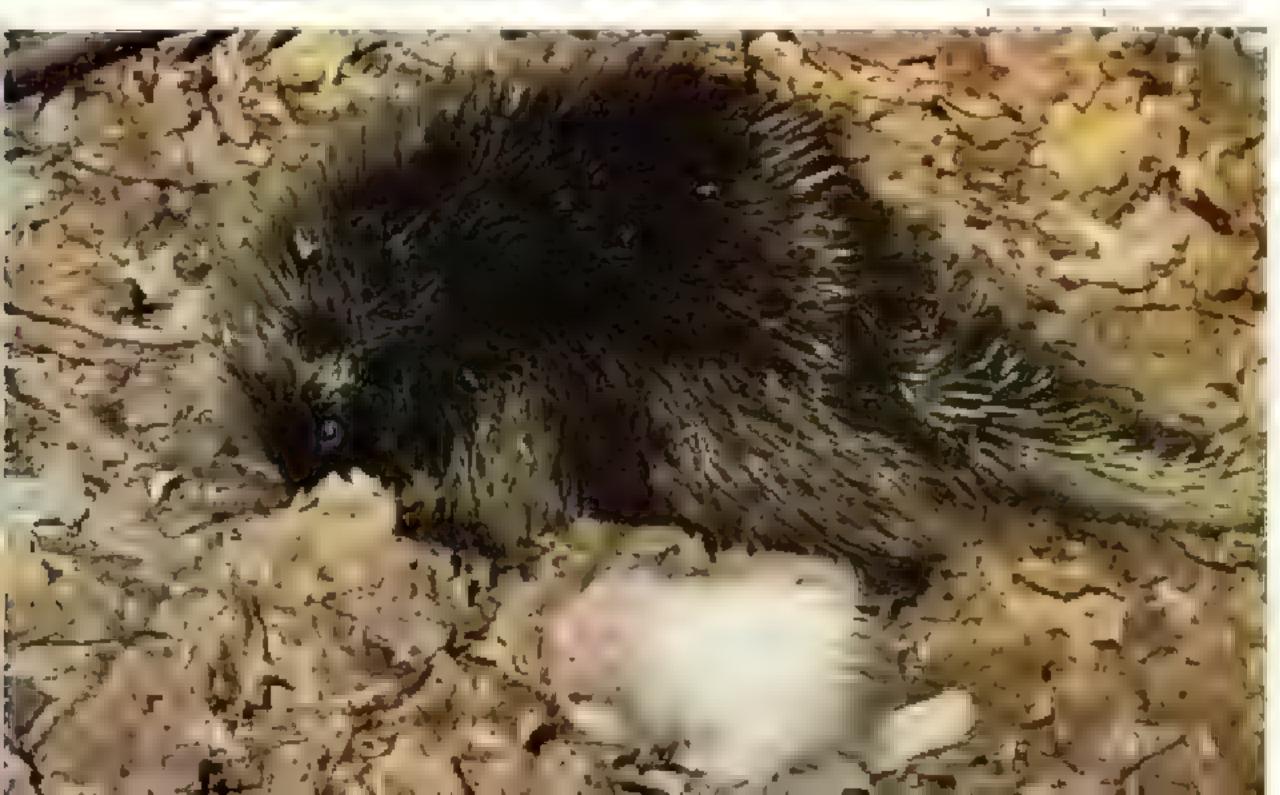




"Pink e 1 | Sheek, For Allim Parenpine, Grew from a Trey Smoothall Below!

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Among 'Vise" and "Sticket" Raise a Ruckan II They're Not Fed at the Same Time

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10 denote Indian Start and Robe Clow with Day I Quille Fig. 16 feet at a company Marin III and Sound on the Company of the Com



* Quill Fowers and Bared Owl Adora Ortown Indian Knicksmick Boxes

Where's One Way It's Safe to Step no Forcepade Quality





A "One Fort Closer and You'll Geton Ameful. of 'Souve ers'." Sava Cornered Porly.

The first of the f

or "This Falls or Can Dance Toxo Ones"



I began calling the possespine in the language I had learned from the captive pets. The animal moved to a point where he could predown at us, but since we made no movement

he was manyone of our presence.

I repeated the call insistemly. Presently the porcupine began backing slown from his 40-food-bigh perch. He was halfway down before we could bear his law, continuous back talk. Several times he stopped as if not quite sure my "porky talk" was all it should be

Reaching the snow-covered ground, he milded in our direction, talking back all the while. At lest he stood up beside my leg and sniffed at my transers, pagzied. Our first movement set him off in an tuckward gallepfor the morest tree wholly disillusioned.

Calling all asu't always province results, but it's worth a try. Next morning, in another part of the forest, I called a large pour plue out of a hard maple. He waddled across 40. feet of snow-covered brush and fallen bus to stand at my feet. This fellow I captured alive and took to Rhinelander, Wisconsin, for exblisiti n

Many a hunter has learned to imitate the call of a wild animal or leyd and used the deception to locate his quarry. Were it not I'm the undely accepted idea that the pricupine has no voice wathy of the name, calling

them would hardly be nex-

Many are the times I've lain down where a snow traff enters a pile of rocks and talked to the rack of the during a manager were present lack beyond the reach of my wision, I could establish that fact my elicit ing an answer. The response to my call was not always friendly, for often the distorised animals swear back" by chattering their territi.

Eyesight None Ton Good

Sometime is sure to ask: "You ware standing In plain sight when calling three percupines to you. Couldn't they see that you weren! another procuputer". No, apparently they couldn't Like numy another will apmal. they seem to discern and take alrem at a move-Ing object readily enough, but pay little or no attention to a motionless one.

Besides, their eyesiahl is relatively port. I regularly release our captives for a rough on the lawn. They follow about at an awkward gallop as long as I keep up a granting call and dint get too far away. If I step at a ristance of as little as 20 feet and make no noise, they are unable to locate me except by ethance.

They sit up, so if the air in all directions, but even their poses dun't prove much help,

That seems strange, too, for they rarefally and thoroughly spirit over every bit of food before venturing a bite. But amony a naturalist can relate an instance when he encountered a percuring along a forest trail and saw the prickly rodent proceed along the path right an to him, seemingly unaware of the presence of a higher tirtil he moved.

The porculanc spends almost half its life in trees, for frosts and winter snows destroy or cover up the more desirable plant food on

the forest floor

It is combal to watch a haby porcupine learn that he has to lanck down from high places. A little slow to learn and more than a little stell-lorn, he will shirt down a tree

headfirst, only to take a timble.

On the next try he will worry over the problem, bunt for a m re sloping way down, but almost invariably fall again. Eventually be discovers the "back down" through trial and group. With instinctive caution, he is soon a capable chaster.

Porcupines Feast on Trees' lance Back

Equipped with four remarkable worst culsels in stout it els is teeth that grow throughout its life, purky chips off the ruter conky bank of trees and then feeds on the inner bark (page 253). Unwittenutely for the tree, that inner layer is its life line carrying stambus and 51 2 15 v

The procupine can draw on this abundant source of final on puriter how seep the snows. Since he prefers to feer, in comfort and safety, le bucks the apper surface of branches and those places on the trunk which can be reached from some convenient perch. If the feeding completely encircles the trunk, then the tree alsove that point must du-

But even spot damage weakens the bree, leaving it subject to drought and storm and the intends of jungue un I discuse. Since the por, uping usually guts but a small fraction of the bank of gevione tree, he is wasteful indeed

of this firest resource.

These general statements bardly seem to prove the case that losses indicted on the forest by puricapiaes gave cause for sober thought. Few of us ever have ween more than a few poccupines and an occasa hal damaged free

But the reader may be surprised to learn that the owner of a small apple on bind in Make trapped 65 porcaphes arroug the trees. at fruit-picking time one fall; that on a bational forest in Wisconsia there is a porcupure propulation of better than one animal for each 10 acres of freelwood-benduk growth; and that over an extensive area in the pinonjet spet bell of southwestern Culorada 85 pertent of the prinons more than four imites in drawater show scars from possipine feeding

Man the melting of winter snows porky abundons back for he more appetizing dowers, cathains, and new green leaves of such trees as willow maple, and cottonwood. As the constryside begins to green and bloom, he may desert the forest entarty and tayade gardens and orchards, grain and hayfields. He appre-

clates variety in his diet.

In settled parts of our country the porcupines craving for salt gets it into trouble beginne human bands have touched ereatedly is apt to be impregnated with a slight amount of salt form perspiration, can gho to wast parky's appetite (apposite). This apples to bandles of form and lambusing to is, to form equipment, parts on tractors, trucks, and the like

Salty spots in the bothe include edges of tables, chairs, stair rads, wind wealls a doorlands. Grease and salt may have a local fluors and stairs. Uring also contains sales on formal stables, and outhouse come in for

their share if his attention.

How often I have walked into an abandoned have, whether a familiouse in Vermont's Green Mountains or an isolated miner's shock in Columnto, to find great I les eaten in the floor. Where the relian stars had been only the stringers and a fragment of one or two steps remain.

There's a common saving in the north woods that "there is no peed to move a lumber camp, as the peckles woll cat it it was." This applies equally well to ghost takining towns of

the Rockies.

Insatioble Craving for Salt

But a so in our modern world when the city dweller builds a sammer to me in the woods and hills, leaving it closed and untended during winter months, the porcupine's insattable travity for salt results in gnawed doorjambs and window sids. On occasion he even breaks into a poorly secured cabin to wreak havon on the furnature within.

The Forest and Vational Park Services get thoroughly out of patience with parky when they have to replace almost yearly, the seats of those "Thirk Sues" appreces that serve our

4.5 | | | | | | | | | |

You don't have the own a better to the upagainst this saft eating habit. Were you ever an a variation trip, to awaken one morning and find that overnight a postuping had bently stalloped the paid to bancles and the guitwale if the carnot? Or perhaps on a pack trip you tailed to hang up your saddle, and a pureuping

effectively shreating the sweated girth, stirrup leathers, and seat. There is even one report in the files recounting a paragine's fundament

for synthetic nutomobile tirest

As you become on relaminar with porcuping the feeding, you grow awars that frequently the animal returns to feed a second time on a given tree. These fee lines are a year or more again, and the second mest is characteristically where the first. This practice may be repeated year after year, until the wound is so large that the tree dues.

Borley Makes Trees Store Fond

the maple with an 8-inch trunk bore marks showing that the original feeding scar had been enlarged upward on each of 11 successare years. The explanation? Tree raits pick up moisture and classified minerals from the soll and send them up through the feter tree of the tree. The leaves, with the aid of sambable, manufacture starch and sugar that teturn to the roots and trunk through the inner bark (the seft cambiant layer).

Removal of the inner lark by postupine feeding creates a dam, impeding the flow of neutrichment. Thus an excess of feed accentuates above the would the following

SETSOR

How do we know that the poccuping selects the larger bank because of its sugar content?

Weel, a number of years ago, In. Henry I had bein was conducting experiments in artificial thinning of northern hardwoods in Mame. Selected trees were ring girdled with an ax and left stan arg, to die within ope to five

What's

Unring the winter one year later Dr. Haldwin noted that percupines feeding in this particular block of trees confined themselves very angely to the gird ed trees, leaving the mean sed trees tone. The feeding was alway above the ax ring cut. A chemical analysis of the inner back above the ax girdle was a mpared with an analysis of the hunc back telow, and of that of unmarked trees. From 20 to 300 times more sugar was found above the ring than below, and double or treole the am and found in the unmarked trees.

Whether this food storage is deliberately planned or not, the porcupine instinctively

understands his tree physiology.

Forcupines long send have left a recorded bistory almost as compacte as that of the Chiff levellers of the Southwest. I hesitate to exacin the nature of these nucleut "writings" and the among numeralize archeology, for a tops the story of some of its strange and unfollowable character.

But true it is, and this is the way of it. In



that ghat in the Act of Facina a Street Wall Profes Driedles in Reco-

il primaria de la primaria de la compania del compania del compania de la compania del la compania de la compan to come and the traplet of the transfer of the second of t telled to be the control of the cont

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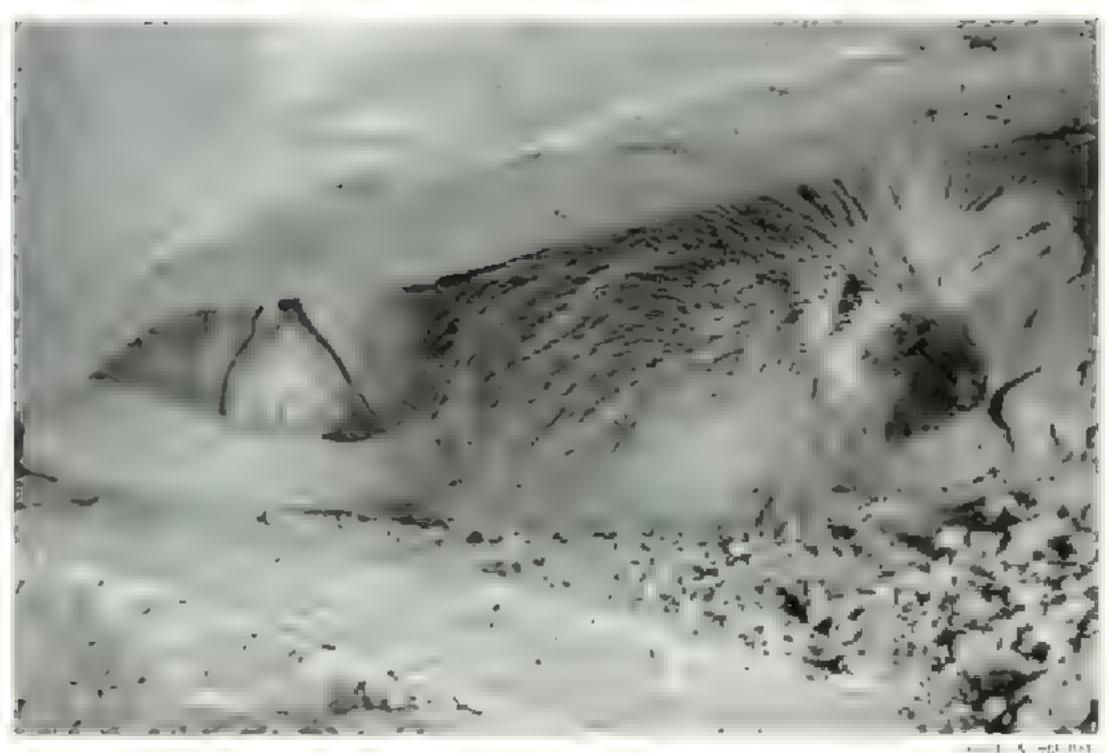
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A Welcome I mergency Rutton

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** -- I Table Tip to the second secon to ye bloom to the end of



Caught by the Tail, Robe lines Porky Is I's led from His Rocky Den-

Capturing portugings to a second of the photographone that the author engineering after trabings To ope is a crevice worth of Denver Colorade. Properties usually using at right. During the day they In measure I dider prices or I fill to him. They make no bed of I is not do they store local, they seek only perfections from encours and the weather.

Leging ribble to find and eat a porcupine? Al. v. tim ters be lost each big-game season in the I can be a title their really are one largely to the analysis to the Carvallan

From them Canada and Alaska cutshburs are entirely different. There the hanter is trapper is usually well able to cope with the elements when lost or stranded by steem. Jobt his survived is dependent on the availability r[[11.10],

That harter of the far north knows the habits of porcupines, and resistes the meat for food. Neither fact appress to use city deer hunter in the States.

A Part of Tree Safer

A parengone's metinal to stay put is a horm. to the traveler fit remate threas threatened with a ewordbing grate supply. A possessine will often spend days at weeks in the same tree.

An observant for trapper, covering lines extending 50 to 100 miles from his base namp. might return to a spot where he had seen a promine a week or more before with a good chance of bratang the commit

From northern British Columbia come even I stories in native jargon sent me by Har Quick, row serving with the Atolic Institute of North America. One trapper, when asked about porcupines replied, "Parkyplue prefty in portant. When crust is on snow and you can't stack upything you ruleht be able o find a porkyplue because he don't trave. so fast "

Still another native pointed out that the old people like pivoquine and hunt it is lot as mery cannot "hunt hard or do the burd work of lancturing an animal as large as a mosec."

As fer the method of preparation: * Build a big bre. Throw perkypine in. Furn off all the quills and barr right it was to the skin, then p. b it out. Gut it and cat off head and feet. Roast it on book. Cooks fast, about "alf as any other animal."

In the States I have been asked for freshly killed percupines by a French-Canadian lumserjack in northern New England, and by Navajo Indians in southwestern Colorado. In cach case, they stew the meat and add vertables. Nevertheless I at abilit it it will ever gain permeal favor in the States as food. It is difficult to prepare for the table, and the circussive parasition of portunities by apeworms and roundworms would rule against it.

St. Helena: the Forgotten Island

By QUENTIN KEANES

With Idustrations from Photographs by the Author

septence about St Helena which my great grandrather, Charles Barwin, had written in The Vayage of HMAS "Beagle" after a week's visit in 1836. I had dreamed of going to that remote islance.

"St. Helena," he wrote, "situated so remote from any continent, in the midst of a great occur, and possessing a unique blora, excites

OFF CAMES IS

My bayesh carlosity was whetted further by collecting stamps and by reading about the ast days of Napoleon in textbooks.

After difigent study of a map, I found the my sterious falance—a spot no larger than a playrick, stuck in the inunense blue wastes of the South Atlantic Orean, 1,000 miles south of the Equator. It was underlined in pink to

cenate a British possession (map, page 271). Consulting the reference sources, I discovered that the pinprick is 10 miles long by a wide, has an area of 47 square tudes, and is fully 2,000 miles from the nearest point in the South American coast. Though the West African mainland seems, from the map, to be comparatively close, it is 1,200 miles

to the eastward

Cape Town, nearest cosmopolate center, la last abort of 2,000 miles southeast. As for Washington, D. C., it is at least 0,000 miles away! In effect, the only point of land under a thousand miles distant is the even smaller pipprick called Ascension, \$1.0 miles northwest, a dependency of the latger island (279).

A Lester from St. Helens, South Atlantic

With the help of a stamp collectors' magaers I got into correspondence in 1937 with a retired Englishman who had retreated to St. Helma to recipe the massing crowd. He dien't appear to mind writing long, informative letters to a teen-age schoolboy full of

Durwin's 'curiesity,'

On old fashioned lined note paper headed Island of St. Herena, South Atlantic." be write: "There is no pace in the world I like letter than St. Helena; everything is quiet and beautitul, no notes and bustle; conditions are somewhat similar to those existing in any remote lengths willing a bundless years ago. I have rather a passion for islands.

Last year I realized my fundest and most romantic dream. I went an a 30,000-mile telp with three friends it up New York through

Mirica, Cairo-to-Cape Town, and back to New York—via St. Helens.

From the St dan I wrote to Dr. Each to author of the only book about St. Help published in recent years, and asked him for a letter of introduction to one of the islanders just in case I ever succeeded in getting there

A month later I found a reply awaiting me in Nairobi, capital of Kenya Colony. Dr Gosse has written to Mr. Humphtey W. Solomon, sensor member of the oldest English family on the island (whose great-grandfather, Saul, had sold macarons to Napoleon), asking him to show me around when and if I arrived.

When I finally macked Cape Town, I bastened to the effices of the Union-Cartle Mail Steam-hip Company, Ltd., the only I've in the world maintaining regular service with St. Helena and Ascension. To my joy I learned that a ship would be leaving for these points within two weeks. I talked a companion into coming with me.

Ships Call Seldom; Airplanes Never

Luck was with us, as the company's ships call at the Islands only every five or six weeks, on their way to England, and no airplane has ever bestel on St. Helena

My excitement knew no bounds as we made our way, through the Cape rollers, to our destination. At dawn on the bith day out I was awakened by a cabin mate to hear that the steep chifs of St. Helena were about two

miles away, suchrouded in nust.

With a leap I was deesed and an on deck. There in the distance was a sunt I hope never to larget: the sheet massave crugs of the forbidding island which I had come such a long way to see, rising, just as Charles Darwin had promised. "abroptly like a large black castle from the ocean."

The sun was trying to peep through the clauds which hung low over Sugarloaf Hill, and I shivered, more from persons exhibitation than from the dank cold. It was in leed an awe-inspiring sight, and I could well imagine Napoleon's feelings as he saw these towering cliffs for the first time, in 1815, from the decks of H.M.S. Northwesterdand. Although he had approached from the to others, the prospect must have been equally overwhelming

His recorded remark, however, which was mule to an aide. Gen. Gaspard Gourgand, seeps rather to understate his inner emotions.



Napoleon Historia Van Have Seen Mis Venerable Torroise

In a side of the first transfer that the tame for the fall transfer to the first transfer to the first transfer transfer

All he said was: "It is not an attractive planhould have done between remain in Egypt dy now. I should be Emperor of all the L. I

the capital and sale of the real and and the capital and sale of the real and and a sale of the capital and sale of the capita

We could see a car, a plant to the most from the jetty in exact to the most the first to the most the first to the most to the first to

Divens of native we there in I am a

gather grand out ship to set in open and or wather or the repleschaft, of the rewish the plant of the tager little bout-

Smaller could be a state of the latter could be in also the medical of the latter could be a sometimed the target was a larget gang of a horers ready to unload the target happing for the jaland's sterior.

Unfortunates: the leafs of a solution of an entirely of an entirely of an entirely of an entirely of the fits own population of the state and a find state of the state find states (the state find states) and transports are and transports are sugar.

Though there are 12 mg hours to help eke out the islanders measure existence, and in 1948. About 200 pags, 1000 capile, 3 % a shout 7,500 chickers to fall back on the chief crop is the points.

I was believe down the ganeway, al. of the

to the captain's cabir. There I is not of duced to the old campt to the Sacret of the Day wished my frame to base to have bacelony wished my frame to have buch with him at I lantation House, his wall residence (pagest 265-27).

The Island's Enst Automobile

We Salom in who a 1939 had been the first his field in respect to import an automobile offered to conduct us after built round to slat the 15- Austin section. Before that we write to a driven to Napole it's house the Emperor had lived in until his death 1265.

On the 10-numer row to shore, for which we paid the princely official tariff of 21 cents. I was latrice elly the Old World less and manners of the latrice who handled the cars. They were of mixed origin, as are a I hop approximately 50 of he what spopulation.

Must are descendingly settlers brought from England by the British blast India Company and of slaves from Africa and Madical of

Though their skins were dark they had Luropean features and spoke English, the only auguste of the island, we a a fascinating a testing of the island.

we stepped a live a bond of St. Health with the or open we evaluatly constituted a great PURE IN THE PLANE - 10 | The fair (24 | 41 of fresh air being blown n from the lace known world levent the shaggy chiffs a their circumscribed home. Mr. Saloman Leckerned to a suiting driver, and we grand a property of the property of th VI 11324 (1278)

but St. Help in drawer was a friendly and outelligent man, and in his near way gave us some illuminating sedelichts on the conditions of hie of himself and his fe loss islanders.

Mester," he said, "we Island people don't have no fortune, you understand, and we don't have nothing much to buy, neither, because there alo't but a couple of shops in the town. Most of what them shops has is expensive in account of the ships has get to bring them goods till the way in from England and Cape Town."

I asked him how much, for instance, he made as a notor driver and mechanic.

Ob. I reckon a butt three bob (42 cents).



Jamestown's Castle Yielded Only to White Ants.

the first and the second of th

a day. The translation work in them this mills makes prove I should say about three and-six (49 conts), and they works 48 lours a week."

To my query about the womer's wages be answered designfully that they, being of the weaker sex, make about 14 cents a day less than the men

Ways the Islanders Earn a Living

We then well in to discuss the occionations of the islanders

Apart from the 70 other men was followed by profession, he said the flat not a second about 200 men and women to said a



St. Helena's Otto Town Haddles in a Rocks Riving Below Ladde. Hall Laft

Louised Ly 30. Hause, steep allies S.S. Elangibby Coule Leval anchor as in the real of the real minima that at first translation as in the real minima that at first translation are a number of the first translation of the

toutmen and fishermen; about 350 were salled and general laborers; and 80 or so see budding tradesmen and apprentices.

And there's them farm workers, about 165 of them. If they're employed by the (loverstment, they gets a tanner (7 cents) are whore than the ones what work for (ac rich men."

This called for fuller espaciation. "Who are the righ men?" I asked

Them's the men, and I should there's none of them—who own bits of land over 100 acres

The color bold is a rection of the solution of the solution people who have boldings of make 100 acres.

If the war the continuent of the We don't have nother to gave about what we re paid, cause the Guy'ta'r declass with tight, after his men have had a talk toll. It howes had we gets along as lest will be we we had a quiet lie, thought had a conck beer at the Consulate

on a Saturday reght, you know, mister! '
As the car started with a rein act party or

I had a weigh sensation that both the car and I were 20th rentury and bronsens. The whole atmosphere of the island was and all all contains and the houses in the main affect of Jamestown seemed like a convention. It's wood set constructed for a film about a surof the Emperor Napoleon Ronage.

Since there was no electricity at the fine of my visit (though there is now), a lamp lighter still went on his evening rounds, but only if the mountight was to! String enough to light up the streets with its own power II was almost as at the death of Napaceon as I (not a result policy a ring of the estand that even Time had stood still ever since

This is not entirely true, however. The Consulate, the one botel has a bridgently cultred members banging on the duringer of wal. which cell the true to consisting of

Edward VII in 1902; and nowles have ut last to bed St. Helena. Once a week a 20- to 30-ceared diveterin of the wheat screen is shown at the only theater.

We cover through the town, past the briars, where Napoleon suffered the first two months of his impresentment it's now the cable station—and on ap into the higher parts of the teaml. The metaled road was wide crough for only one car, and the gradients were assumingly steep. Gradually the bare volcanical linker of Jamestown gave way to occasional trickly pear hushes and then to goese, small trees (Eritic booms), and semitropical vegetation.

After about two males we came to a Selyet lovely place called Gerandon Valley. Here lies the blank, empty touch of Napaleon, surrounded by cypress trees

It is slank because the Emperor's ande, Count Mon holon, taxagreed with the Governor, Sir Husson Lowe, over whether the stone slab should bear the name NAP ARON which the favored, it NAPALION BONAPARTE, which the Governor preferred. As a result of the dispute, the breach decided that no inscript in at all should be carved on the face of the touch.

It was emptied when the Prince de Johnville to de Napaleon's remains back to Paris with him on In Belle Poule in 1840, he interment in the Invalides.

Near the top t we drank some cool water from the spring from which the tragic prisoner used to get his drinking supply.

A Visit to Longwood House

A mile and a half farther on, I spotted Longwood House, familiar to me from old photographs there 2774. The mahings themseries become in 1753, were securely locked. They looked almost bare unside and we ned to be going to that and ruin from the depredations of the voracius white and, or term to

The whole estate now belongs to the breuch Covernment, necessitating the presence of the only facing official on St. Helena—M. Georges Prageot, a vice consult a France and in tharge of all Napoleonic relics.

This castedom not being access of, I examined the little garden behind the main house which the captive had taken great pleasure in designing himself. I was dalighted to discover that a sod wall had been constructed in a corner which, although somewhat like an air-raid shalter, had been carefully malded into the shape of the tanperor's famous three-cornered but!

No one same to have recorded the reason

for this. It is known, however, that in the rectangular space which had been out out of the renter of the wall Napoleon sometimes used to take his afternoon tea

In the forcer and was a semicircular tank which Napoleon had intended for goldast, and to the right a small gazeho from which he could get a good view of the surrounding cauntryside.

Searct Peopholes Used by Napoleon

I then turned my attention back to the house and noticed a very program a thirst one of the green jalousies barring a window had had two peepholes cut in it from the inside (page 279).

After protonged research I have found out

the litriguing reason for them.

They had been cut at the express order of the prisoner so that he could rest his spyglass in them when the shutters were in place and quietly widels the troop movements and take meetings at Deschwood Camp, more than a aile away, without being observed by the sentnes

The top hole is five fort from the ground suitable for a man about 5 feet 6 inches in beight when standing. The lower, 5 feet 10 inches, is intereed for the same man sitting in a chair right up against the window.

I was no fascinated with these obscure discoveries that I almost forgut to ask our driver to take us over to Teutonic Hall, the house in which the kind old correspondent of my school days bud lived.

When we arrived, I found that it too had been forgotten. The unknown old man had left, or dud, and the building had become a rather run-down fatmbetuse.

By now it was nearing functitine, and we businessed ever the winding lanes to keep our appointment in the one really grand old numsion on the Island: the Governor's residence, known as Plantation House, some three noes from Jamestown tpage 273).

It is a fire country house of more than 40 mones, begin in 1791 and beautifully kept up. The grounds rover 176 actes and include luxurant vegetation and fine indigenous and imported trees. Over the front door is the quaint shield of \$t. Helina.

We were expected into the living room by the young ADC and presented to Covernor George Andrew Joy, C.M.C., and Mrs. Joy (The governor has since been knighted.) Other lunchrom guests included the Chief Justice of the Cold Coast (who had been our fellow passenger), the captain and chief engineer of our ship, and the chief treasurer of ht. Helefut.

The evotic setting for the meal was com-



In a Small Boat St. Helena Officials Board the Author's Ship

Passenters on earns must be tera I was ent dop and bland. When the fulamic ables to it is a set of the set of

guese hasignor. John da Nova Castella, on. May 21. 1502, the feast day of the mother of Constantine the Great and named after her. The l'ortagnese cept this uninhabite island a secret, however, until Capt. Thomas Caven Ish, third circumitavizat it of the globe touched there on his homeward vesage in 1828.

Thereafter, Fuglish and Detch ships called

at free, tent intercals to water an relitionalities year 1633, when the leaded to arrive it. They held it with only infrequent or tepation and 1639, when Capit, John Danton of the East India Company arrived, found it management of it, and because the first English governor of the island

In 1673 the Dutch seven it again, but with a six months the British ball It tack and it was successfully meld by the Henoral lebest India Company ander charter from Charles II until 1834. It then became a fully fledged colony directly under the Crown.

tered by the Governor, who makes embrances, aided by esecutive or advisory councils or as people not holding any office an ler the Crewn but appointed by the Governor

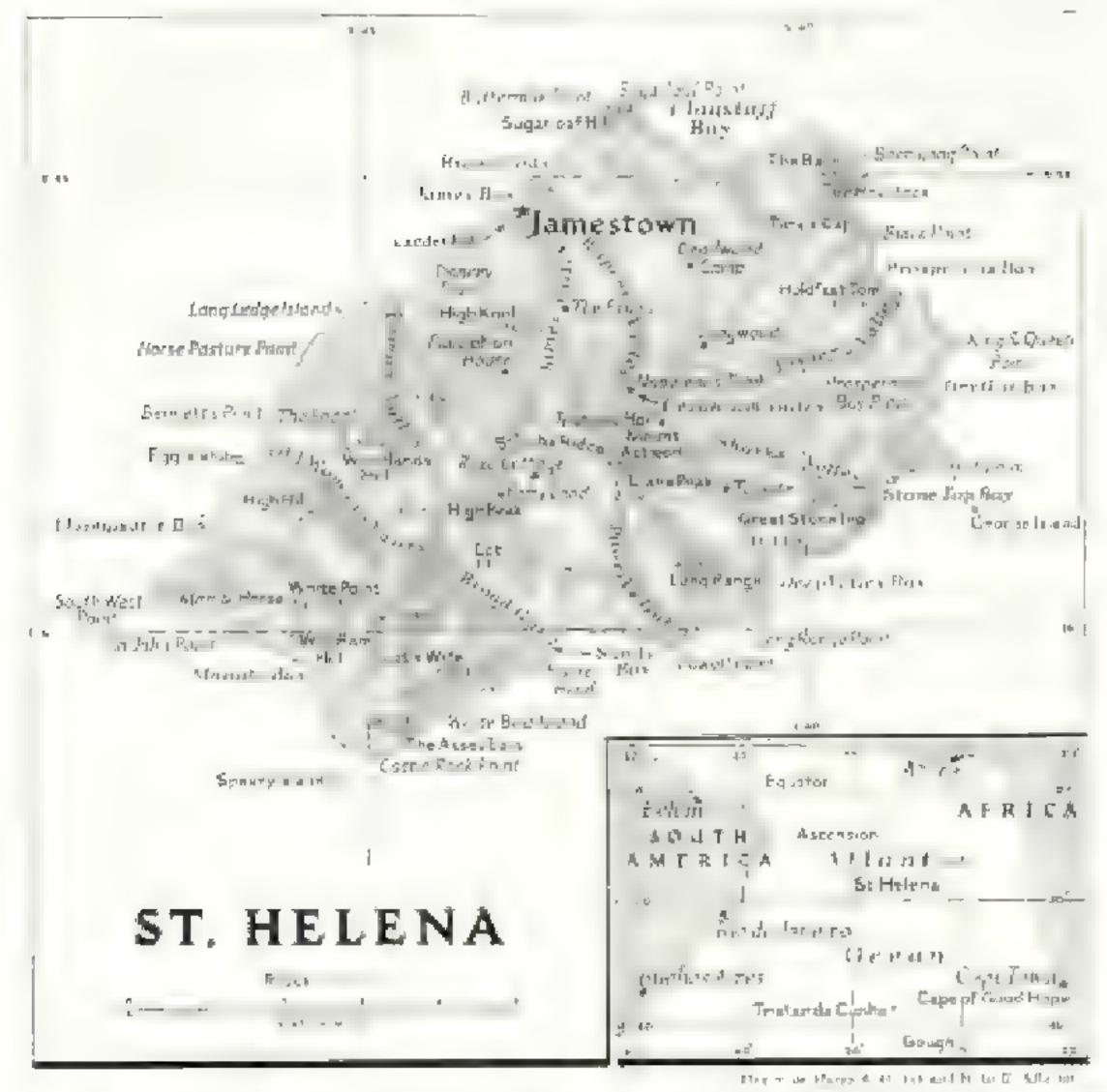
teens on Island (pages 270, 277) was made a dependency in 1922 and Teistan da timba and Googh in 1938. Herause there is no local shipping be tween these scattered.

islands, the Governor tenlessed to me that he has rever been able to visit any of his repetition is

Leonon heally speaking, the Island's fortunes have been on the decline since 1821. Real prespecity and the Eurperora ical together that year, and despite some noble off was by the Colonia Office. I feel that St. Helena has been receding in the world's memory ever since

in an aften it to bring revenue to a small community trying to live on an inadequate

The rate Names at Constant of Mark No. 1 11 The Constant of the Lewis Land of the Constant Land of the Constant of the Constan



A Flysneck on the South Atlantic Map. St. Helena Caps a St. verged Mount in

Inscorrect in 1502 by Productions is a good of Jewish Costella, the variable peak rises charges from our areas depths, episods growing from Japanishus case unboulted treshwaret, a bounded to him had proved the tear to their variable through the Cope of Cope. Hope The island is 2000 miles from Cope Town 2000 Variable value through the most little most between Assumed to the dependents onto the methods through the state of the methods through the dependents onto the methods through the state of the state of the methods through the state of t

pension," the home government introduced the growing of New Zeakand Lax, or thempt of thermoment toward in 1874, and, although the plan was a complete father at first, the export from the of manufactured nempths I become a money-making proposition to 1907. Some 66 percent of the total exports in 1948 convisted of homp and its by product, taw (274).

Mr. Solumen caus three of each tails in operation and operates under leave the Coverament call at Languaged. They produce also a limited arm and of rope, tweeteralting and socks. The only other exact.

is a small annual grop of fily bulbs i fillium.

It coust be remembered that a large part of St. Heleng's yearly recentle comes from the sale to collectors of its dignified postage starque, although there is no internal mail

tem. Likewise, no newspaper, radio station, nank, or public transportation exacts att the island. There are, however, 65 m les of reads and, by an sen teing coincidence a like and Ler of telephones.

There is a prison, but very little crime: and the police force munitary one corporal and



Groundling Longwood Housed the Prope or their at the 1 vie

A silver of the control of the contr

twices the act of the state of

The delicits banch was arrest to a large to a second transfer to a second transfer to the contract of the first transfer to the correct occupants. In Contract the gentler and manners of the whole gathering; the semains and manners of the whole gathering; the semains and homisms on the large there at a large to these contributed to as to be.

A Living Link with Napa con-

But it was t until after lunch when the Governor is one of me to what is popularly

befored to as a fixed a symbol of this time has a set to be knew my a sees had not en-

There it was on the lawn in front of in house, where it had probably has a real a ty great-grave father's visit, and where the practing content of the on the tree put 1815, when the most celebrated must of his true has set foot on the island: a grant land to be at the true that the only large has a contil with Napoleon (page 1800)

I have in my possessed a coared print published in 1851 showing Plantation House with this same veteran and another in the forest and. The text accompanying it say that no one at that time is remissed a remission were because formally to the island

It is known, however, that I fee such to to tokes were originally imported, two probable in the 18th century, from the island of Mann this in the Indian Ocean. One died in \$177 he second fell over a cliff in 1919, breaking its



Henry of St. Hele als Givern r Suggests a 1- asplanted bullet Manie

of a large way the second of t

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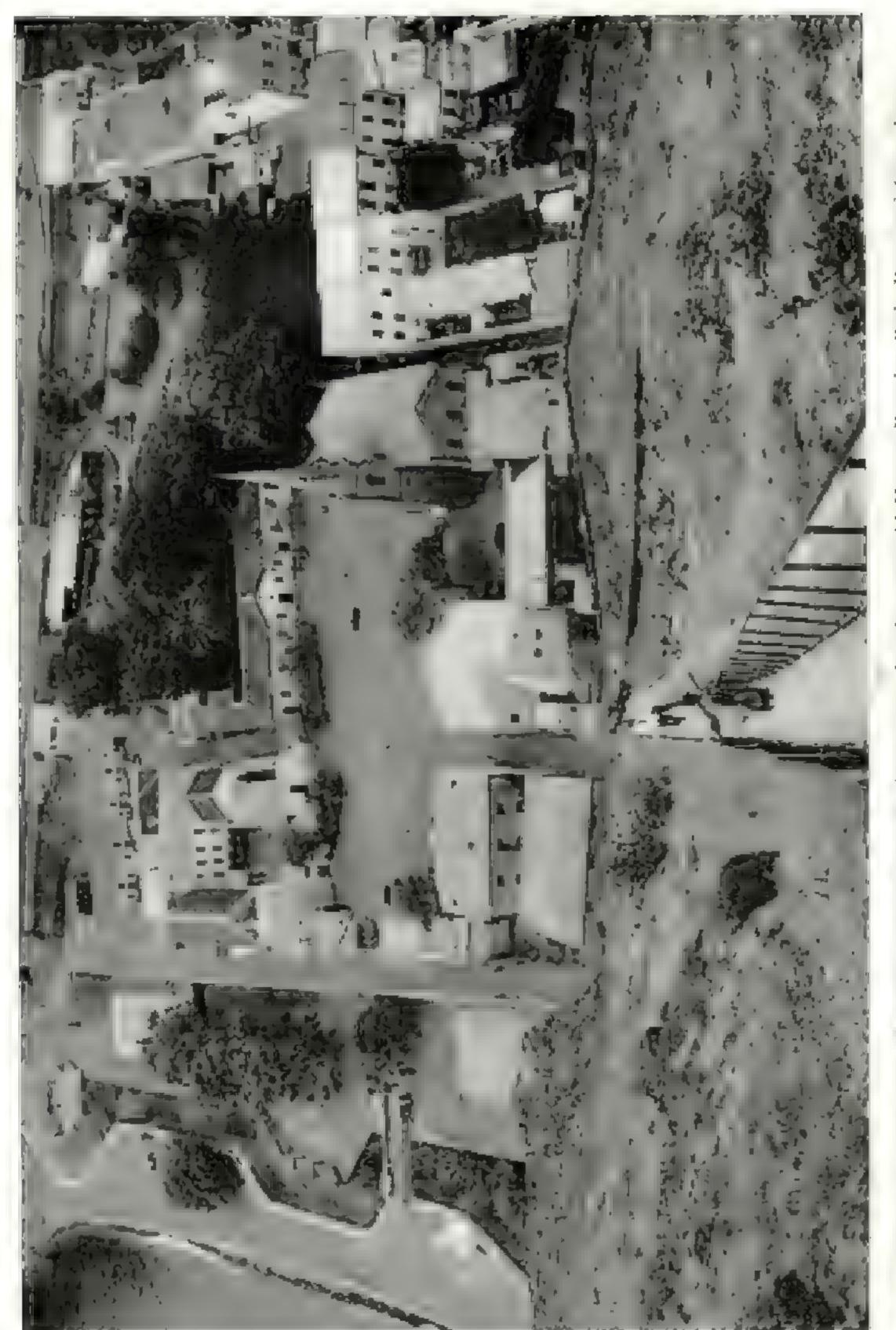
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S., Helen's Numer Neighber. 1 1 1 1 1 1 1 1 1 1 1 1



ALL PR T-L Coulded to



Beside a Mazza-leader Smuds the Last Box 2 War Prisoner

Although he was a fire of the section of the sectio

we had an uninterrupted view of the Smith

to object that we have to a with him at his best and then with averabeloning generally he presented me with a first crimon of the classic book, Napoleon in Exile; or A loice least St. Helena, which Napoleon's pin sictor barry belward O Meara, had published in 1822.

We say to the best to him a stefully, desorted some one on the town to exam, my the off god nor now book purposition walls of the Carthese Fish mis team had founded in 16 or passed to the Consulate Hotel for a fengal dancer by candle light. The saucous ongs of the saidors from our says drafted in

to us tron Un retarma i s. the amp, I found the p tein and Mr. Solomen in a linamess session and terthwith had a Urilliant files. Since we were due to sail that enseem, I but thisin in by wanted more time. on the island, why couldn't Mr. Solomer deliver more lemp from his mills for shipment 1: Festind so that it would take the captain longer to complete bading? Everyone was ld make no re money, and we would have more preciou reginents on St. Helena

Climbing Jacob's Ladder of 699 Steps

My plan worked. We stayed overn it and next the ruling rows with the approximate with the 600 step-of faculty and a Ladder 1. The 175 and 277.

The Royal heather the Royal heather the constructed of proceed at the later of the constructed of the later of the Royal heather the constructed of the later of of the late

or read onces to Ladder Hill fort

We some found out that the climb took a painting 15 much est and no wonder, when we reliable had traveled at more than a 45 angle for 923 feet!

It was worth the exertion, however, because up on the fort stood a very interesting old many Charles beauth, 75, 5t, Holitaa's last surviving Boer War prisoner. He was captured by the Bruish in South Africa and had been shinned along with the boer gar rat had been this bland which had afree a late to this bland which had afree a late of a result for another distinguished many contrast.

He told us that he had been liberated in 1903, not that, liking his meulat prison, he had elected to stay there forever. He had present a native and for many years had run

I de la communicación de la communicación de weell actual established la communicación de la communicación

I took his report graph, and the w laterally run down the tungs" of jacob s Ladder to here what furned out to be ro. tur. I - Helengap gal-. ut re. Mr. Solomon first told us about the alv sale spot for swimming off the island, and now that we were but and lated we check led to Local Teacher will erd dar younger passingers, we bented a seep and bumped over The Precipice to WILDER ! P.

spot with dark water and purple volcario said not fat the least inviting. But how many prople can claim they have been swin too. I the roast of said the roa

Will of such as a sew self of when to not to we heard a company to put to seally to put to seal

the shorted frantically to a figurement to still near to come and set us, but a use of the waves be confidn't do so. We set obliged to collect our clothes, watches und cameras from the beach and mineuvo at to his boat as best we could, an our own

We claubered in and were rowed out to the out ship towering over us. A tope ladder was awered, and, much to the general inlastral the other passengers, six sor len figures a peaced on the deck

Hurdswon Permission to Land on Ascension

As the stack walls of Napoleon's prison inished out the horizon, we turned out the formal Asset Is and within the contract of the state of the contract of the



Standing or Sitting, "Boney" Could Peer Through His Spyglass.

Through parasited attent the verte wishes, Napoleon . I on stantly The course were done and the many product of the first term of the course of the first term of the first te

the control of the althebland reference to the althebland reference to the althebland reference to the the transport to both ay the U.S. Army Engineers, that I always think of it as the "remembered iskind"

However, Union-Castle ticket harders of an gu ashare there, since the line displays a stein eshat in Cape Town about this porterals: "No passengers may hard without parters on from the Ship's Commander and the Record Magistrate of the Island."

The last to the term of the te

Accordingly, I had made strenuous chorts before leaving South Africa to be accorded this tare proviege, directing my requests 13 Cable and Wireless, 4.1d., whose resident manager acts as magistrate and administers the reland for St. Helena's Governor.

At first the authorities had been doubtful, even though I politely told them I wished to take photographs; but soon they had softened

and wired the resident magistrate.

He replied: "Heased to arrange that will depend on factors time ship calls/seather and duration stay he should arrange with captain for reasonable time ashore if conditions favorable."

Luckily our captain was a photographer also, and after I had made myself known to him he suggested that we might go ashore with him

Apparently there are two valid crasons for this red tape. One is that the estand amounts to what might be called a private office, and the other is a legitimate worsy thrut the "rothers,"

Mystery of the Giant Waves

These gant waves suddenly appear on an otherwise calm sea from the north against the prevaling sautheast trades. They make all contact between a passenger ship attakension's little jetty impossible and sometimes last for several days. Most occanographers believe they are caused by storms moving at at the North Atlantic.

Practically the whole cable company staff of 28 men and their families met us in their motor launch, as we anchored off the jetty, because their wives like to use the customary two hoor stop to get in a quick confine in

the ship's ludedressing parlor

Mr. V. W. Orlenths, the cable stat on manager and resident mag strate, invoted the captain, my friend, and me to accompany him tack to Georgetown, the island headquarters, telling us meanwhile how much must at the employees liked their two-year stretches of juty on the lonely outpost.

He brighlogly suggested that perhaps this was due to the fact that no taxes or customs buties are paid by them, not do their little are need any beense plates to turn around.

the island

From name Likely as a reason might be the hocal cost of whisky and gm, \$1.35 and

70 centa a bottle"

At the showing us the markinery in the actual cable office. Mr. Octrohs providly mentioned that the first news flashed around the world of the full of Paris in to 13 had been transmitted to London from Ascension.

At my request, we piled into the magistrate's jeep and started the circuitous drive around 24 haliplat bends to the top of Green Mountain, the 2,800-foot peak of the island (page 276). Georgetown and all its surtomasings, as far as eye can see, lack any vestige of greenery, but up on this summit is a tropical paradise of misty vegetation.

As we reversed the car to get around a partially sharp togger. Mr. Labrich, wild as that all members of his staff are given six days' leave every six mouths so that they can spend a short helicity in the hungalows on this lush peak, pretending to themselves that they are on another planet. They this return to "town" in a refreshed most to tackle their daily Johs in the pare chaker area again.

At the top, we saw some of the Dist. Helenians who are employed to look after the company's farm there. At kinds of vegetables were growing in the rich soil and there were signs of the 18 cattle, 704 sheep, and surdry pigs and poultry which supply the sattlement bears with fresh food and nois.

On the way down, I heard how the famons green furtles of Ascension were formerly caught for export. As the unfortunate creatures lay on the beaches, men wand purattach empty kerosene cans to their flippe furn them on their hanks in a helpless position, and wait for the face in come in and float them out to sea. Then a fishing boat equipped with a decrick would approach, hoist the 500 to 600 pounds of potential soap to as deck and prepare the turtles for sulpment alive to England.

At Last, the Talkies

The last piece of information I picked up in Ascersar a was a sometime, but it set me off on a train of thought which seemed to bear out my description of St. Helena as the 'largotten island.' It was that tatkies have now reached this bastica of suitude. I compared this sign of prodernity with St. Helena's silent screen. I then thought of Ascension's instrip and how simple and quick communications with its barren contours could always be

This reminded me of something the Governar had told me. No spot count be found on St. Helena, after a thorough survey of disternar in 1943, on which are a sport could be built. Thus it was assured of a permanent reporteness from the bustle of modern life.

And finally I remembered some astom-bung statistics. I had seen. In 1845, 1,458 ships had easted at Jamestown, and in 1948 only 31. Subtly even the giant tortoise magnt ac permitted the observation that his historic island had been long other?

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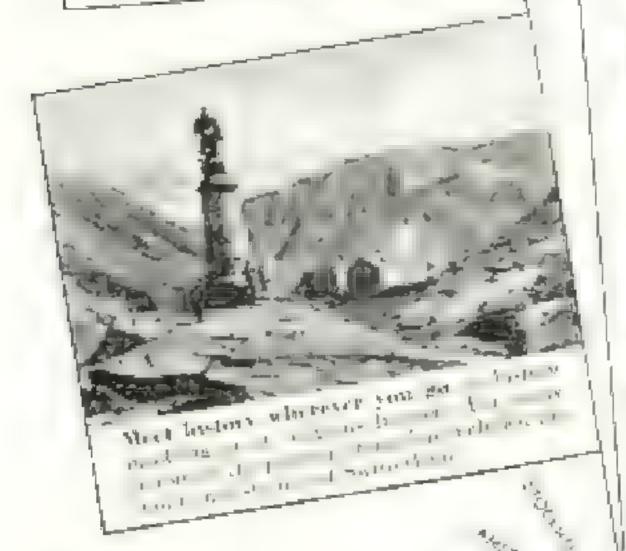
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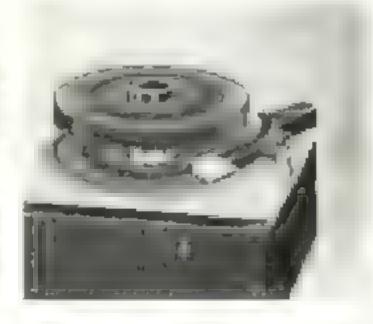
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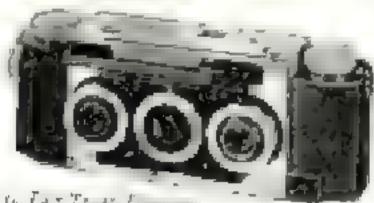
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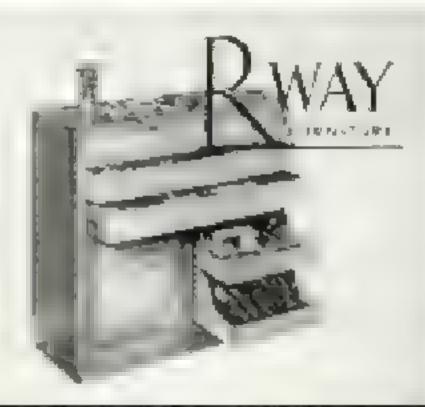
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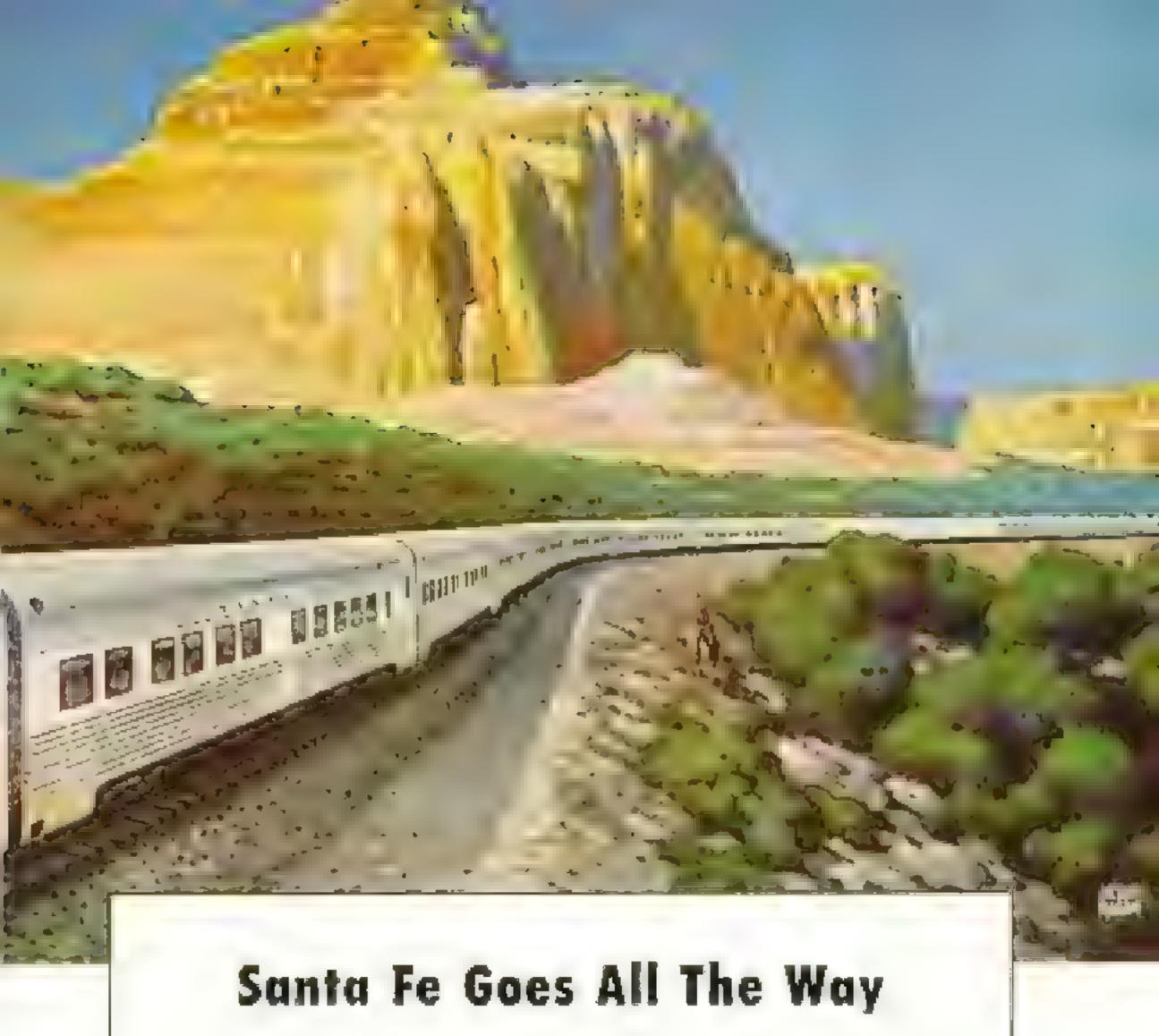
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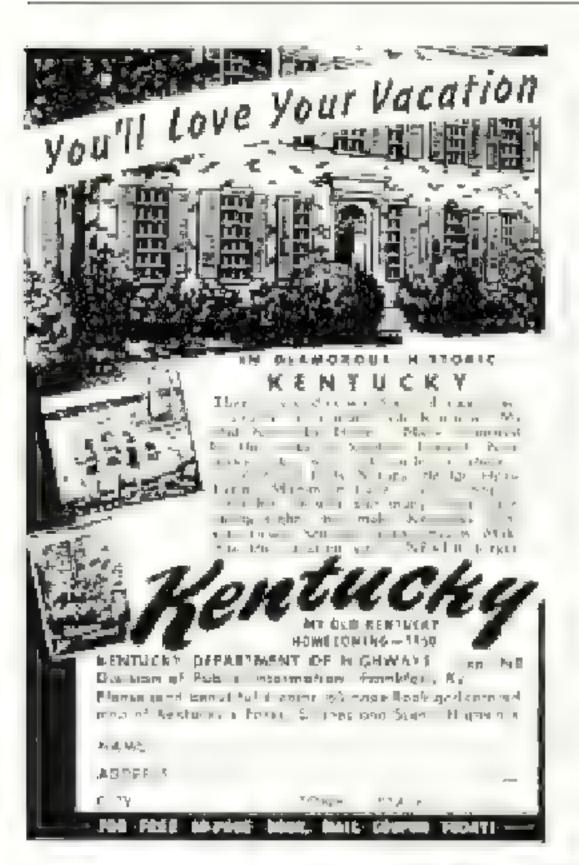
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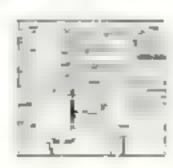


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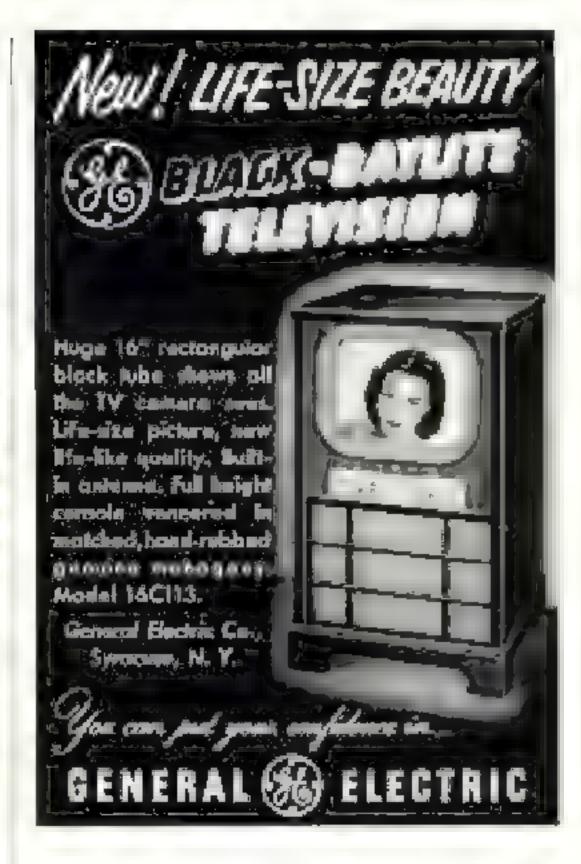


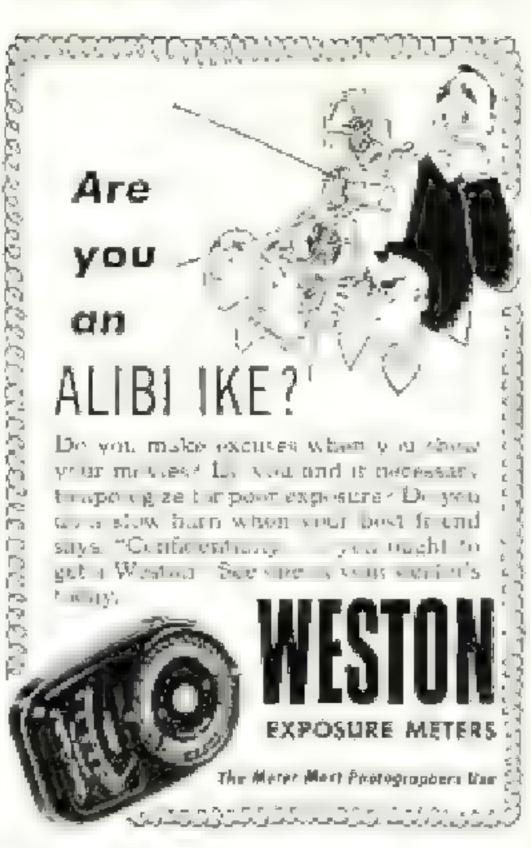
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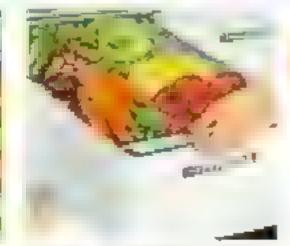




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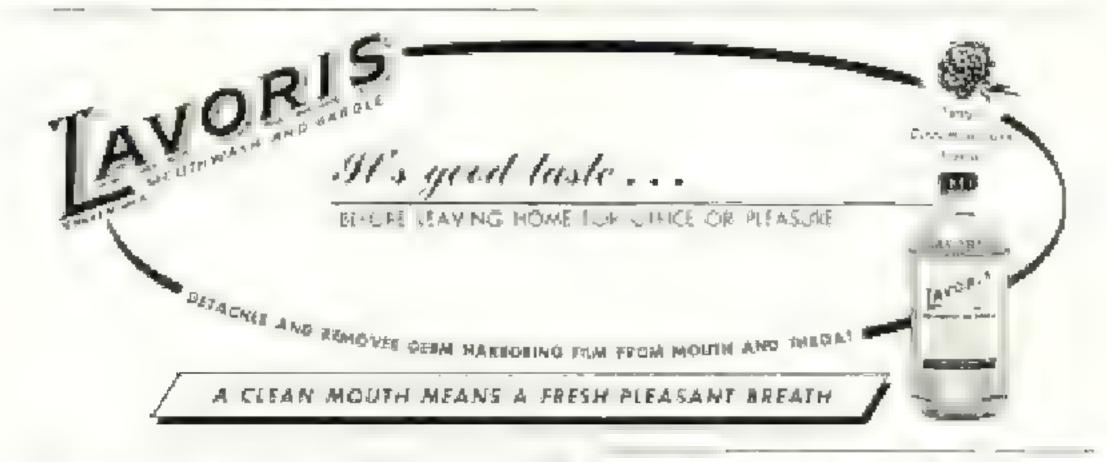


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"Actually, high blood pressure, or hypertension, may be a ight, moderate, or severe. Even when it is severe, many people continue to lead active, normal lives formany years amply by following the doctor's divice and by adopting healthful living habits."

PATIENT: "Just what is high blood pressure?"

DOCTOR: "It is a condition that results when we blood flowing through the body's small vesses meets increased resistance. This is usually broad about by the narrowing of these small, vesses. This introwing may occur in resputise to one autiful it offer factors.

"Everytody's blood pressure varies from time to time. However, when these blood vessels tend of a casely tightened up, persistent high blood, were soft tend to

PATIENT: "How does high broad pressure cause time."

DOCTOR, "Munity by placing an additional strain on the beart and bood vesse k. In a metam, cause entangement of the left ventrale of the heart. As a result, the efficiency of the heart's chief pump to chamber is lessent! Then, box, the arteres were out toomer than they would if the blood pressure were normal."

FAT ENT: "I understand. Now, Doet at all a con-

DOCTOR: "I tree, learn to aread where and mental strain. For example, if there are situations which always upset you, thake a special effort to avoid them. Show down—go through your daily toutine without under fuse or truery. The calmer you become, the more your broad vesters tend to telest—and thus help to hower your blood pressure. You must use yet your wright down to what is memulifur you and keep it there, you must get plenty of sleep and rest, and you must not neglect having person boolth examination."

PATIENT: "What about the new treatments special diets and daugs."

DOCTOR: "In necessed cases, the newer forms of treatment are often beipful. Some of the newer drugs may be helpful in many cases but owing to the wide variation in the causes of high blood pressure, these should only be taken with the advice of your physician. Vanous diets in which salt, protein, and fatt are restricted to we often benchted some patients. But in your case, the many others, simple common sense treatment assauly produces good treatm."

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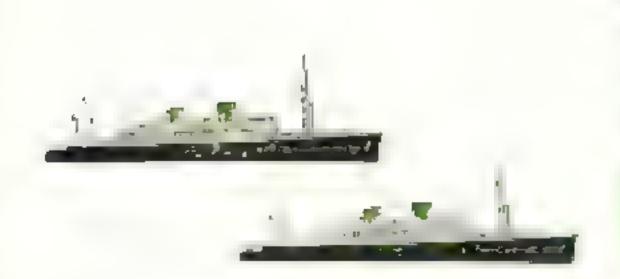
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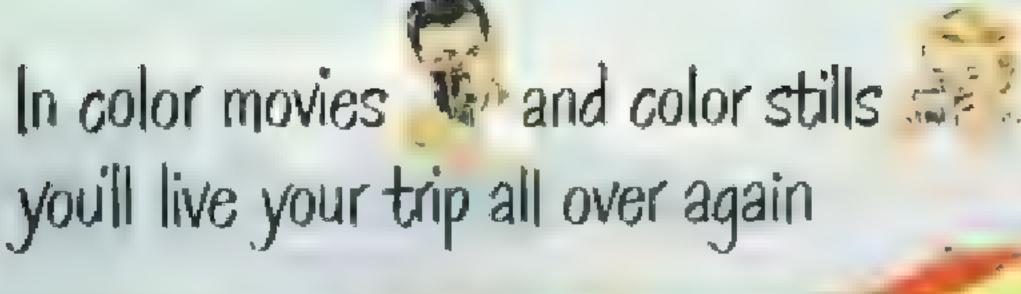


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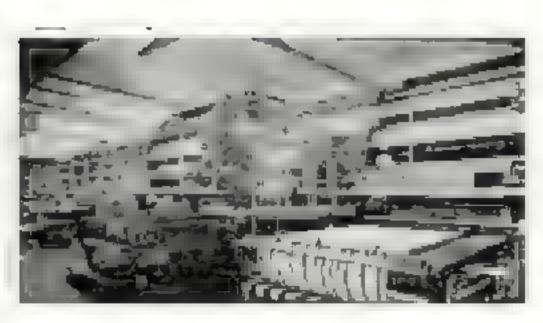
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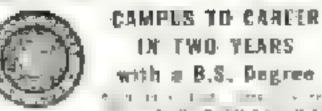
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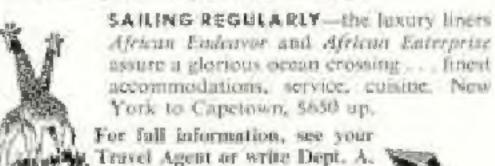
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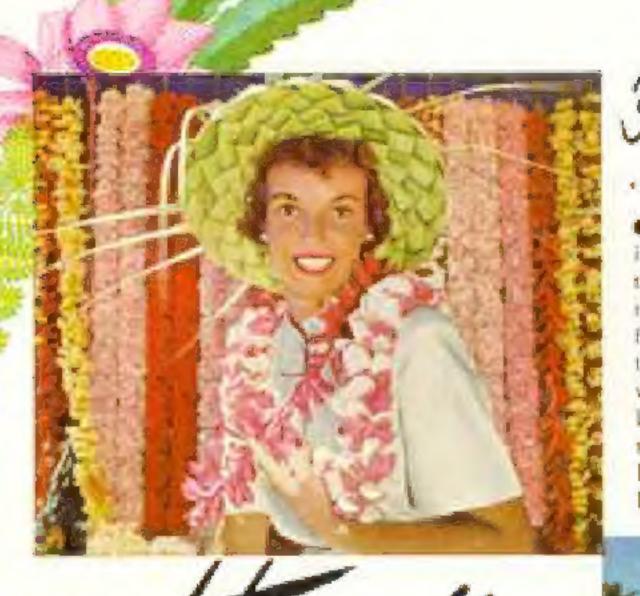
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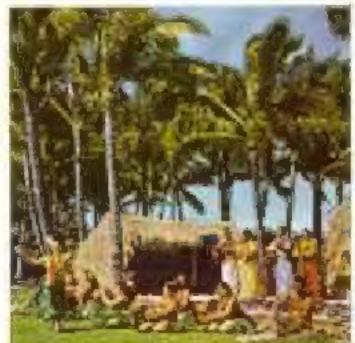
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